WE'VE MOVED

RUSH!

PLEASE NOTE
IMPORTANT
CHANGE

LA 99ers Computer Group
P.O.Box 67A79
Los Angeles, CA 90067-1079

NEW ADDRESS

LA 99er COMPUTER GROUP

VOL 7 NO 2 FEBRUARY 1988 Newsletter

LIBRARY

PLEASE note that this month and next we will be reprinting the entire Library, as revised and updated in Feb. by Fred Moore. BE SURE to save these pages.

LAS VEGAS COUNTDOWN

Our sister club to the East S.N.U.G is in the final stages of TIXPO fever. There is a feeling of good tidings in the air, and I KNOW the blood sweat and tears will be well rewarded. We have the greatest feeling of appreciation for our Las Vegas friends. FEST-WEST TIXPO was sort of dropped in their laps by us after the 1986 Boston Fayuh. It was there that the Canadian guests told me if the FEST was to be held in Las Vegas they would attend "en masse". Well it is, and guess who isn't. C'est la guerre. In any event this promises to be an outstanding event, both the vendor and visitor list looks good. If there are any of you who have been sitting on the fence, c'mon over. The deadline for hotel reservations has come and gone, but a call to John Martin in Las Vegas at 702 647-1062 will put a little "juice" in your request. We can all promise you a good time, with good people, good products, good food, and good feelings. Don't miss out. TIXPO Las Vegas Feb 27 & 28 Palace Station Hotel. Be there!

George Staffen, an update.

We have been keeping in touch with George since he headed east. Well what a bombshell was dropped early one recent morning. Howie Rosenberg passed along the sad news that George was once again hospitalized. That call was followed the next day by another even more serious call that surgery had once again been performed. We called George's brother and determined there was radiation damage to the urinary tract, and another "ostomy" had been performed. George is in the Bronx NY VA and not reachable by phone. We have continued to call his family and get scraps of info that way. There was to be another scan to make sure there was no more cancer. That is we can all pray for. The nurses station at the hospital told us George was getting out of bed and walking around. He is said to be in a good frame of mind. I am sure George will welcome words and cards from all of us. Best to address him at the Bronx residence. 5935 Liebig Ave. Bronx NY 10471. Sure miss you George. All of us.

BASHING

I (Terrie) have long wondered about the psychology behind the bashing. I concluded that most of it was simple jealousy. It was so telling to watch the bashers reveal their own inadequacies with their pettiness. Sad that the best among us chose not to continue to be a target. We all lost. What follows now is another view of the same trend. I totally support it. This is a retype verbatim from Newsletter 979 Toronto, Canada.

9640, WHO CARES?

An editorial about the Geneve and the TI community.
-By Steve Mickelson
(President/NLeditor)

As both newsletter Editor and TI user, I have the opportunity to speak with many TI users and to read many editorials and comments in the various newsletters, databases, and BBS' re: the state of our computer and where the future will lead us. I am disturbed by much of the "negativism" which seems to exist amongst many users re :the Myarc and the 9640, Geneve, much of which seems to reflect either an ignorance of the product or a totally unrealistic understanding of the financial resources of Myarc and the costs of producing a computer and software in the TI market place.

The costs of developing computer hardware today can be prohibitive. Many Geneve critic somehow expected Myarc to introduce the Geneve and its operating system software, simultaneously. Any one with any knowledge of software knows that you cannot write software until the hardware exists. And that such software will take time. Also, the fact that the first Geneve software consisted, initially, of TI-Writer and Multiplan in 80 colums, with a modified GRAM Kracker-type loader. The Atari ST had no, I repeat no initial software. So whats the big deal? It seems that these critics, want no compatibility with

4A software, if you follow their line of so-called logic. Just who's computer do they support, anyhow?

It was exactly one year ago, that I wrote an editorial, whereby, I drew the analogy of the TI community being like to passengers aboard the TItanic, abandoned by its crew (TI), and in danger of sinking from the flood of words among the "99/4A" vs "9640" camps of survivors. The only apparent alternative, seems to abandon ship and move to another computer, which is not an orphan. Many of those who stay with TI, seem content to fly the "Jolly Roger" and pirate everything in sight.

Also, many critics of Myarc, seem naive enough to misinterpret Mr. Philips' dress, (3 piece suits and clean cut appearance), "pegs" the man in the category of TI. Since he dresses well, and acts with business-like decorum, certainly he must have the Mega-bucks to blow, to hire software writers for $30-40,000 a pop, as TI did, for ready to use, spam-in-a-can software. When the community sees him taking a grass-roots "appeal to the user for software", approach like Atari ST and Mac-makers did, lynch mobs form. If only he wore a pizza-stained sweat shirt and jeans, then perhaps they may be more accepting of buggy operating systems, as users had done with the V7.1 o/s for the one Meg, Horizon RAMdisks! Or, better yet, why not ignore the errors of Corcomp, extend Myarc's line-of-credit and push his fledgling company to the brink of bankruptcy, to meet the demands of users and nonusers, alike, for instant software gratification? Why can't he be as foolish as some of our expectations?

It should be recognized that the TI User Group network postponed the computer's inevitable demise. This community has become accustomed to one computer for five or so years, and thus inured to the 4A's limitations. The continued desire for cheap and easy software, spurned revival from a compatible, with many TI Guru's recommending users switch to IBM, Apple, Atari, or anyoodyelse, preferring to wallow in self-pity, as an "orphan", than to see the success and succession of a new 9900-series computer. Many, in the community seemed to forget the "incompatibility" between bare consoles with tape-memory, and expanded, (32K/Extended Basic, Disk Controller Cards), TI-Systems. And, no thought has been given to the need for modified software to operate a Horizon RAMdisk, or how many cartridges did not behave properly, or how some disk utilities did not perform, with the Corcomp disk controller. What about the hardware, (pin-out), differences, when one purchased a Corcomp or Axiom interface, etc., etc., etc. To me, the 9640, is just a faster, 80-column TI-upgrade, with a greater RAM. You the user has no obligation to buy one, any more than others have to buy a HRD, or for those with consoles, do to get an expansion system.

Final conclusions, may put the blame on the TItanic, squarely on the shoulders of the users, who instead of pulling for the common survival of the community, at-large, fought amongst themselves and let the pre-occupation with "Myarc bashing" versus "Myarc support" destroy the community from within, like a cancer. A community, many of whom, (ed: incomplete as received)

Have we forgotten that even the "TI-creator" had problem children as the early 99/4 and console BASIC, not to mention cartridges, which used only cassette, thermal printers or had no method to I/O or print data. And such software was locked in GROM space. Perhaps this attitude among many users did more to push TI to abandon the 99/8 and 99/2, than any influence exerted by the forces in the market place.

If you don't get the drift of what I am saying; bluntly, its I, personally, cannot see why someone such as Lou Philips, wastes his time and money on a community which has so many ingrates, who couldn't recognize something positive if it slapped them smack between the eyes. Are these individuals really as stupid as their remarks seem to indicate? That is to say, do they really think Lou Philips has the backing of TI, Yamaha, or some wealthy investor syndicate; and is just too cheap to spend some of the billions of imaginary R & D bucks on his software? Are we as users, too dim-witted to see that IBM sold a million units of its O/S 2, introduced about the same time as the Geneve, before bringing out an O/S Operating System with none of the knashing of teeth amongst the IBM owners; and still expect Myarc, operating in a dead-end market to have the finances to get software out in a shorter period of time than Big Blue? Let's be realistic in our expectations of any third party manufacturer. Perhaps TI listened to the carping from such users, and for that reason alone, pulled the plug on the home computer market.

While the 9640 may not be the key to the survival of our ever-shrinking community, the negative non-constructive criticisms against the clone or its small, (small compared to TI), manufacturer and unhealthy bickering amongst various camps of users will only drive more nails into the TI coffin, you better believe it! So, the next time you have criticism about Myarc, or any other supporter of the TI orphan, keep it constructive or to yourself. let's save those negative words for those "other" computers and help promote a positive attitude within our community, which is the key to our orphan's continued survival. After all, we're in this boat together.

PICASSO PUBLISHER

More responsible persons are trying to get the word out, this is NOT a fairware program. Arto Heino is one Australian we should recognize as an excellent programmer, with the rights to commercially release his program. We do not have the right to mistakenly declare this as fairware and make it widely available via the "Jolly Roger" or BBS' routes. If it is up on your BBS or in your club library, please remove it and try to compensate the author as he should be. No "Hacker" over here showed his "talents" by cracking this program, it was unprotected, and still it was pirated. If you noticed in the upper left side of the front page we now, after many years have a NEW ADDRESS. This location is closer to the co-editors, and since George left the Gardena area we had only Chick to do the leg work. For those of you not familiar with the L.A. area, there is quite a distance to cover. See how much we miss George!

The Raffle prize is a Gram Kracker, what a great Easter present for someone. Can't win if you don't enter. Last month Bob Harrison had a real big day, first he purchased and took possession of a 9640, and then he won the 1200 baud modem. Is he ever going to be busy.

Hope to see you all at the Feb 24th meeting, Jim Lohmeyer will be our guest. Then its on to Las Vegas. Come on over and show our support of the fine folks in Las Vegas, see you there.

SO WHERE'S THE SOURCE CODE???
CRU ACCESS - PART 2, by Jim Lohmeyer

[Ed. Note: I can't believe I did this twice in one issue! In reprinting Jim's article, I forgot include the source code! Here it is:]

```
       DEF START
       REF VMBW,VSBW,VWTR,GPLWS

H20    DATA >0020                    hex 20
RTNADR DATA RTN                      return address from interrupt
C0     TEXT '0'                      '0' character
C1     TEXT '1'                      '1' character

MYREG  DATA 0,0,0,0,0,0,0,0          my workspace; 16 "DATA 0"'s instead
       DATA 0,0,0,0,0,0,0,0          of "BSS 32" to ensure registers are
*                                    clear at start of execution
START
       LWPI MYREG                    load my registers

       LI R0,>1F0                    put screen in 40 col text mode
       BLWP @VWTR                    write it to VDP register 1

       LI R0,>F0F0                   put exact copy of VDP reg 1 at
       MOV R0,@>83D4                 scratch pad >83D4

       LI R0,>717                    background color into VDP reg 7
       BLWP @VWTR                    write it

*                                    SET UP SCREEN

       CLR R0                        start at row 1 column 1
       LI R1,SDISP                   ponter to screen display text
       LI R2,142                     142 bytes to write
       BLWP @VMBW                    write it

       LI   R0,737                   area to display credit
       LI   R1,CREDIT                pointer to credit text
       LI   R2,21                    21 bytes to write
       BLWP @VMBW                    write it

*                                    main loop of program
MNLOOP
       LWPI GPLWS                    load the GPL workspace
       SOC @H20,R14                  set the byte for cassette
*                                    interrupt timer
       MOV @RTNADR,R6                load the address interrupt
*                                    routine returns to
       LWPI MYREG                    load my registers again
       CLR R12                       CRU address=0
       SBZ 0                         set 9901 to interrupt mode
       SBZ 1                         disable the periphreal interrupts
       SBZ 2                         disable VDP interrupts
MNLP2
       LI   R4,>0023
       LDCR R4,15                    load 9901 with >8023; the first
*                                    bit sets CRU to timer mode
*                                    the remaining bits set time
       SBZ 0                         set 9901 back to interupt mode
       SBO 3                         timer interrupt level 3 enabled
       LIMI 2                        enable 9900 interrupts
       JMP $                         loop until 9901 interrupt hits

RTN
*                                    this is where we return to from
```

```
*                                       the 9901 interrupt
       LI R0,168                        screen location to show cass. bit
       BL @SHOWCR                       branch to show it
       JMP MNLP2                        go back and do it again
*                                       routine to display bit value
SHOWCR
*                                       the screen
       TB 27                            test the CRU cassette bit
       JEQ SHOW1                        if it is 0 then display a 1
*                                       *(data is inverted on the 9901!!)*
       MOVB @C0,R1                      '0' character to be displayed
       JNE SHOWIT                       jump to display routine
SHOW1
       MOVB @C1,R1                      '1' character to be displayed
SHOWIT
*                                       CRU data display routine
       BLWP @VSBW                       regs already set up so write it
       RT                               return
SDISP  TEXT 'CASSETTE CRU MONITOR PROGRAM 12/11/87    '     header and display
       TEXT '----------------------------------------'     data
       TEXT 'CRU BASE >0036                          '
       TEXT '        V                               '
CREDIT TEXT '(C) 1997 JIM LOHMEYER'                        credit data
       END
```

FROM THE DISK OF...

Mike Dodd

I'm baaacck. Yes, you thought you could get rid of me - but I have returned. "The Return Of The Sleepy Living, Part 421". Yep, that's me (actually, today I'm not sleepy, helped by the fact that I slept for over 10 hours straight last night - but that is unusual <your basic understatement>).

Last year, for the K-Town U6, I published my "awards" for 1986. This year, because of extreme (sometimes financial) bias in several directions (I think the term is 'vested financial interest'), I won't give awards, but I will point out some of the new stuff to hit the TI community.

Hardware: As far as I know, there have been all of five new pieces of hardware to smack the 99 world: ML Systems KBM 99 keyboard interface, Rave 99 speech interface card, Dijit 80 column-card, and the Geneve 9640. The KBM99 interface is a cheap alternative to the Rave card, and is well worth it for those who want an IBM keyboard on the 99/4A. The Rave speech interface card is a godsend for those who are constantly kicking their speech synthesizer out of the slot, causing immediate and total lockup, not to mention those who have purchased a Geneve - you have to have the Rave card to use speech on the 9640. The Dijit 80 column card was, I'm afraid, too much, too late (funny, that doesn't sound quite right). Too much money, and too late - most people I've talked to don't feel the $200 price tag is worth it, when you can get that and tons of other things in the Geneve package for around $450. I'm not totally sure if the Geneve counts in the "new" category or not - it's been talked about since mid 1985, but was just released in mid 1987 - so, I guess I'll count it as "new". The hardware for the Geneve is done, but the software isn't quite finished. Advanced BASIC and Pascal are still not done. They're coming along, though, and should be here eventually. Worthy of mention is the Gramulator, which, if it makes it to market (to market, to market, to by a fat 80K Gramulator) will be an amazing product.

Commercial software: There have been many new releases last year, including (but not at all limited to) Genial Computerware: XB:Bug, XBasher, Horizon RAM-disk EPROM (is this software or hardware? can't decide...), PC-Transfer, Remind Me!, Graphics Expander, Font Packs; Asgard Software: Artist Enlarger, Artist Fonts, EZ-Keys; Triton: Super Extended BASIC; and I don't remember what all else. XB:Bug and XBasher are XB utilities, the former acting as a debugger, the latter as a compacter. The Horizon RD EPROM adds speed, extra sectors, and extra calls to that RAM-disk. PC-Transfer allows you to transfer files from IBM to TI disks. Graphics Expander enlarges, rotates, and inverts TI-Artist and CSGD fonts. The Font Packs, as well as Asgard's Artist Fonts, are collections of fonts. Asgard's Artist enlarger is similar in some ways to Genial's Graphics Expander. It is somewhat slower, but does allow reduction. EZ-Keys is a true macro facility for XB. I have not personally ever seen EZ-Keys, so can't really discuss it in great detail,

but I have talked to other users who are quite pleased with the product. Triton released the Super Extended BASIC cartridge, adding tons of new stuff to TI's effort. MG designed that one.

Fairware software: hmmm... lemme think about this one a minute. Since the TI community has been so very bad about paying authors, fairware has sort of dried up to a large degree. I made one last effort with M-Copier, primarily because I was too much of a lazy bum to go to the trouble of commercial marketing for it. I have the highest hopes that I will regret it, though. By the way - I am NOT offering to send this program to those who sends disks, etc. If you happen to send the $10 donation plus $2 for the disk and stuff, I'll send it. But I'm not sending it out without a donation. I know, that almost violates the entire premise of fairware - but folks, I just don't have the time to do this for $0. If you don't want to pay before you see it in action, then get it somewhere else - i.e. a BBS somewhere, a UG library, or Genial TRAVelER V2#1 (where it will make its debut). Now, back to the news: the House today voted against the President's ... whoops... _wrong_ story - good story, but wrong story ... let's try again: Curtis Provance released Enhanced Display Package (EDP), an XB programmer's utility allowing 40 column display from XB. Provance also released Text Loader (? - I think that's the right name), which would sort of act as a 'script' loader for XB - you could run batch files, load DV80 programs, and other stuff. Tom Freeman did a review on it a few months back, as I recall, so I won't bore you with furthur hazy shades of winter... whoops, I mean hazy shades of details (apologies to Simon & Garfunkel). J. Peter Hoddie released his sort program, which sorts any file on any key. Pretty unreal, but he has only gotten about three payments for it so far (wow!!! that many?). Then there was Barry Boone's Archiver II program. At first, this was just a faster version of Archiver - and then he added a compression to it, which compacts files anywhere from 50% compression to actually adding sectors (very rare). About 25% compression is normal. Oh, Paul Charlton released three fairware programs last year: Fast-Term Geneve version, MDOS Linker, and GIF converter. All of those three are fairware. The latter two have received a total of about a dozen donations, I think - total amongst the two of them, NOT each. The Linker program may not be in widespread use, but the GIF converter is used by every dog and his owner (that doesn't sound right either), very, very few of which paid. Paul has stated that that is IT for fairware - so many donations have just totally underwhelmed him. Oh, I think there have been a few other fairware offerings made, but none that are really incredible - unless I'm just totally forgetting something, which is always probable.

Here is an award: bug-finder. A bug-finder is a person who manages against all odds to find bugs in programs, bugs that NO one else can find. These bug-finders are the bane of a programmer's existence, as they are constantly gleefully reporting bugs and making the poor programmer's life miserable while s/he fixes the %*!$) bugs. Trust me - I can testify to that from very firsthand, intensely personal experience. Grand prize award goes to Scott Darling, who has found bugs in everything I've ever seen released (perhaps I should say "everything I've ever written"). Second prize (it was VERY close) goes to Glen Pederson, who finds bugs where I would swear there couldn't be any - but there are. Thanks guys - without you two, my life might be more peaceful (big grin).

Btw... about PC-Transfer... the copies sold in Chicago and Milwaukee had some bugs in them.... they would work fine on some systems (i.e. the ones I tested the %*$@# program on), but not on others (i.e. the ones I did not test the %*$@# program on). If you bought a copy, send the original disk to Genial Computerware (Grafton, MA address - NOT the Philadelphia, PA address), and ask for a replacement. Thanks (I guess) to Scott Darling for his usual... more than willing help (polite cough) in finding bugs for me in PC-xfer.

Here is a bit of information that has almost nothing what-so-ever to do with computers (so why am I writing it? Simple: it's late, I'm tired, and I need a topic). When I got my new phone line, I chose US Sprint as my long distance carrier because they are cheaper than AT&T. I quickly learned that is because AT&T is competent. US Sprint has late billings, snotty customer service (once you get through the near-constant busy signal, that is - although getting through to the order number is easy), and is in general not worth the $0.20 / hour I was savings (that's for night / weekend rates - evening rates from the two companies are about the same). This information could be useful for those of us who are addicted to calling computer friends and/or BBSes. Maybe we could form "Long Distance Callers Anonymous".... hmmm.....

D.R. Fudge wrote another article for this months issue, he tells me. He also tells me that he mentioned my name. I want right now to publicly deny anything and everything he said about me. This man is a threat to normal life and sanity everywhere, and you should take almost as much effort that you spend avoiding me as you would to avoid him (but not quite).

News from the MYARC back (or should that be front? oh, who cares?): MY-Art V1.4 has been released. That version has vertical and horizontal flip. I have no idea how you go about getting the update, though. Write/call MYARC if you happen to have an older version of MY-Art. Jim Schroeder has released a program called MDT-MYTERM, which is a terminal emulator that runs from MDOS. It allows Xmodem transfers while omitting such basic abilities as ASCII uploads or a log file. Schroeder asks $10 for it.

"And that's the way it is." Well, I'm going to quit this boring rendition of From The Disk of the Insane One (aka moi). Until next time, lie down, relax, take a deep breath, and scream as loudly as possible. I leave you with this quote, which I originally saw published by Russell Humphreys in the K-Town UG newsletter many years back: "If builders built buildings the way programmers wrote programs, the first woodpecker to come along would have destroyed civilization".

SECTOR COMPARISON, with a different display

by Harold Pierson, LA99er UG Member

(Ed. Note: This article, by first time contributor and Club member Harold Pierson, shows how a different kind of display from the one usually seen in sector editors can be employed in a program. The source code as listed must be saved and assembled with the title of DSKx.DISKSECT for the object code, or the basic program listing must be changed. Note also that because of the use of external REF's, and particularly DSRLNK, this is a program meant to be used in Editor/Assembler Basic. If one of the many DSRLNK's around (see the universal one written by MG which we published last year, for instance) is attached to the file, and EQUATE's are used instead of REF's, the the file is assembled in uncompressed mode only, then it can also be used in extended basic. Thank you for your contribution, Harold, we hope to get many more such from you!)

```
1 REM  SECTOR COMPARISON
       BY HAROLD PIERSON
2 REM   MUST BE ACCOMPANIED
       BY "DSK1.DISKSECT"
3 REM
4 REM THIS BOILERPLATE
5 REM PROGRAM WILL COMPARE
6 REM TWO DISK SECTORS AND
7 REM DISPLAY DIFFERENCES

8 REM ON THE SCREEN FOR YOU
9 REM
10 REM PLEASE NOTE HOW THIS
11 REM PROGRAM ACTUALLY
12 REM DISPLAYS THE SECTOR
13 REM IT PRINTS BOTH CHAR
14 REM AND HEX ON THE

15 REM SCREEN AT THE SAME

16 REM TIME, WITH HEX UNDER
17 REM THE CHAR DISPLAY.
18 REM
19 REM AND THE PROGRAM IS
20 REM NOT REALLY COMPARING
21 REM THE TWO SECTORS. YOU
22 REM ARE! BOTH SECTORS

23 REM ARE REPEATEDLY
24 REM FLASHED ON THE
25 REM SCREEN AGAIN AND
26 REM AGAIN. YOU WILL SEE
27 REM THE CHANGES YOURSELF
28 REM
29 REM I USE THE TERM
30 REM BOILERPLATE BECAUSE
31 REM YOU CAN AND SHOULD
32 REM MODIFY THIS PROGRAM
33 REM TO SUIT YOUR NEEDS
34 REM
35 REM FOR EXAMPLE, TO
36 REM COMPARE A SERIES OF
37 REM SECTORS, MODIFY
38 REM THE PROGRAM TO
39 REM ACCEPT AND HANDLE
40 REM A RANGE OF SECTORS
41 REM
42 REM HAVE FUN
43 REM
44 REM H.P.
45 REM
46 CALL INIT
47 CALL CLEAR
48 PRINT "LOADING DSK1.DISKS
ECT"
49 REM AT >A000 (-24576)
50 CALL LOAD("DSK1.DISKSECT"
)
51 CALL CLEAR
52 PRINT
53 PRINT "COMPARE SECTORS"
54 PRINT
55 PRINT "FIRST SECTOR TO CO
MPARE"
56 INPUT "DISK#  ":D1
57 IF D1<1 THEN 56
58 IF D1>10 THEN 56
59 INPUT "SECTOR ":S1
60 IF S1<0 THEN 59
61 IF S1>32767 THEN 59
62 PRINT
63 PRINT "OTHER SECTOR TO CO
MPARE TO"
64 INPUT "DISK#  ":D2
65 IF D2<1 THEN 64
66 IF D2>10 THEN 64
67 INPUT "SECTOR ":S2
68 IF S2<0 THEN 67
69 IF S2>32767 THEN 67
70 CALL CLEAR
71 PRINT "NUMBER OF TIMES TO
 'COMPARE'"
72 INPUT "RECOMMEND 10 TO 25
 ":TIMES
73 CALL LINK("TEXTMD")
74 REM SET TO TEXT MODE
75 REM 40 CHAR PER LINE
76 FOR X=1 TO TIMES
77 A=INT(S1/256)
78 B=S1-(A*256)
79 CALL LOAD(-24576,0,D1,A,B
)
80 CALL LINK("SECTOR",D1,S1)
81 A=INT(S2/256)
82 B=S2-(A*256)
83 CALL LOAD(-24576,0,D2,A,B
)
84 CALL LINK("SECTOR",D2,S2)
85 NEXT X
86 CALL LINK("GRAFMD")
87 REM SET BACK TO BASIC
88 REM SCREEN DISPLAY
89 GOTO 51
```

```
**    SECTOR: DISPLAY SECTOR ON SCREEN
**    TEXTMD: SET TO TEXT MODE; 40 COLUMNS
**    GRAFMD: SET TO GRAPHICS MODE
*
*     BASIC SUBROUTINES FOR CHARACTER PLUS
*           DISPLAY OF SECTOR DATA
*     @ HAROLD PIERSON 1987
*     IF YOU USE THIS SCREEN DISPLAY
*     FORMAT IN YOUR PROGRAM, PLEASE
*     MENTION WHERE YOU GOT IT FROM.
*
FAC    EQU  >834A
SUBPTR EQU  >8356
DSKERR EQU  >8359
*
       DEF  SECTOR
       DEF  TEXTMD,GRAFMD
       REF  VSBW,VMBR,VMBW
       REF  DSRLNK,VWTR
*
*                  DISK NUMBER TO READ.
DISKNO DATA >0000   CALL LOAD FROM BASIC TO CHANGE
SECTNO DATA >0000   SECTOR NUMBER TO READ.
*                   CALL LOAD FROM BASIC TO CHANGE
*
SAVRTN DATA 0
*
*          SCREEN SIZE
*               IE:
CHPER  DATA 40    38  CHAR PER LINE
LINWID DATA 40    40  SCREEN WIDTH
NEXTCH DATA 40    42  OFFSET TO 1ST CHAR ON NEXT LINE
*
SECSIZ DATA 256       SECTOR SIZE
SCRSIZ DATA 960       SCREEN SIZE
MYREG  BSS  >20
PAB    DATA >FB0
DSKBUF DATA >1000
SCREEN DATA >0000
SAVSCR BSS  960
NAMBUF BSS  16
RAMBUF BSS  256
*
SECTOR LIMI 0
       MOV  R11,@SAVRTN
       LWPI MYREG
```

```
      MOV  @DISKNO,R4
      SWPB R4           CONVERT DISK#
      AI   R4,1         0001 = 0101
*                       0002 = 0201
*
      MOV  @SECTNO,R2   SECTOR #
      MOV  @SECTNO,@FAC
*
DX    MOV  @PAB,R0      READ ONE SECTOR
      LI   R1,>0100
      BLWP @VSBW
      INC  R0
      LI   R1,>1000
      BLWP @VSBW
*
      MOV  R4,@FAC+2    READ DISK
      MOV  @DSKBUF,@FAC+4 INTO *DKBUF
      MOV  R2,@FAC+6    SECTOR#
      MOV  @PAB,@SUBPTR
      BLWP @DSRLNK      READ SECTOR
      DATA >A
      MOVB @DSKERR,R6   ERROR?
      JNE  DEXIT
*
      MOV  @DSKBUF,R0   MOVE VDP
      LI   R1,RAMBUF    TO RAM
      MOV  @SECSIZ,R2
      BLWP @VMBR
*
      MOV  @SCREEN,R0   MOVE RAM
      LI   R2,RAMBUF    TO SCREEN
      LI   R3,>0000     BASIC SCREEN OFFSET
      MOV  @SECSIZ,R4   BYTES OF SECTOR TO MOVE TO SCREEN
      MOV  @CHPER,R5
      MOV  @NEXTCH,R6
      MOV  @LINWID,R7
*
SCLOOP CLR  R1
      MOVB *R2+,R1      BYTE
      CI   R1,>2000     COMPARE FOR
      JLT  PHX          NON PRINTABLE
      CI   R1,>7F00     CHARACTERS
      JGT  PHX
      JMP  PCH
PHX   LI   R1,>2000
PCH   AB   R3,R1        OFFSET
      BLWP @VSBW        WRITE TO SCREEN
      SB   R3,R1
SCHEX MOV  R1,R8        SAVE BYTE
      ANDI R1,>F000     WRITE 1ST HALF
      SRL  R1,4         OF BYTE
      AI   R1,>3000     IN HEX
      CI   R1,>3A00
      JLT  SCH1
      AI   R1,>0700
SCH1  A    R7,R0
      AB   R3,R1
      BLWP @VSBW        SAME POS
      MOV  R8,R1
      ANDI R1,>0F00     WRITE 2ND HALF
      AI   R1,>3000     OF BYTE
      CI   R1,>3A00     IN HEX
      JLT  SCH2
      AI   R1,>0700
SCH2  A    R7,R0        TO THE
      AB   R3,R1        LINE BELOW
      BLWP @VSBW
      S    R7,R0   BACK TO CHAR LINE
      S    R7,R0
SCNEXT INC R0           NEXT BYTE
      DEC  R5
      JGT  SCNXT        LINE FULL(28)?
      MOV  @CHPER,R5    RESET
      A    R6,R0        SET TO NEXT LINE
      A    R7,R0
SCNXT DEC  R4
      JGT  SCLOOP
*
DEXIT MOV  @SAVRTN,R11
      RT
*
* SET TO TEXT MODE
*
TEXTMD LIMI 0
      LI   R0,>01F0     TEXT MODE
      SWPB R0
      MOVB R0,@>83D4
      SWPB R0
      BLWP @VWTR
      LI   R0,>030E     COLOR TABLE
      BLWP @VWTR
      LI   R0,>07F4     WHITE ON BLUE SCREEN
      BLWP @VWTR
      MOV  @SCREEN,R0   SAVE BASIC SCREEN
      LI   R1,SAVSCR
      MOV  @SCRSIZ,R2
      BLWP @VMBR
      MOV  @SCREEN,R0   CLEAR BASIC SCREEN
      LI   R1,>0000
      MOV  @SCRSIZ,R2
CLS   BLWP @VSBW
      INC  R0
      DEC  R2
      JGT  CLS
      LIMI 2
      RT
*
* SET TO GRAPHICS MODE
*
GRAFMD LIMI 0
      LI   R0,>01E0     GRAF MODE
      SWPB R0
      MOVB R0,@>83D4
      SWPB R0
      BLWP @VWTR
      LI   R0,>030C     COLOR TABLE
      BLWP @VWTR
      LI   R0,>0707     SCREEN COLORS
      BLWP @VWTR
      MOV  @SCREEN,R0   RESTORE BASIC SCREEN
      LI   R1,SAVSCR
      MOV  @SCRSIZ,R2
      BLWP @VMBW
      LIMI 2
      RT
*
      END
```

BANNER OR BAN 'ER? another preliminary review

by D. R. Fudge

For those of you who missed my article last month, you didn't miss anything because I didn't write one. For those of you who didn't miss my column last month, you didn't miss anything either because you obviously didn't look for it anyway! Having said that, perhaps this months article will explain why there was nothing for you to miss.

I had every intention of doing this review of BANNER as included in the Font Writer program in last month's article, but was waylaid by part of one line of code. Being somewhat tenacious (my wife, Laura, calls it stubborn!), I kept trying to resolve the problem singlehandedly and got nowhere for several reasons.

The problem was somewhat minor and I couldn't face the fact that I was unable to figure it out on my own. It seemed that when I ran the BANNER program the first time, I ran everything on default as presented on the menu option screen and it worked close to the way I expected it to work. The very next, and all subsequent (let's see...sub-means less than sequence or order...the prefix dis-also means less than...so subsequent must mean disorder. Somewhat like my mind) attempts gave me a printout with white lines in each letter. I knew what was happening. Somehow there was a linefeed getting sent at the end of each line of print. So I, being of sound mind, immediately went back to the default program included with Font Writer and set up my default device as PIO.LF. There, I said expansively, that should take care of those pesky linefeeds. Well, as I said before, I never did get my review written because I still got those pesky linefeeds! I even got so desperate that I pre-set my printer, via a one line XB program, to turn off the linefeeds. Then mindset really began to win out over logical thinking, even though I get paid daily to troubleshoot and repair things and should have learned that you don't assume anything when things don't go as expected. When friends who should know better call on me to look at the occasional TV or other electronic device, the first things I look for are (1 the power cord is plugged in. (2 the on-off switch (or equivalent), is on. (3 the overload relay is not tripped, and (4 the outlet really has voltage applied to it. Yet, in my infinite trust in such people as the Mike Dodds, Paul Charltons, and J. Peter Hoddies (to name a very few) of the TI Community, it never occurred to me that the problem was in the software as written. Another example of such concrete mindset was the fact that Mike Dodd and I had, over a period of several months of longing, patiently waited for our very own copy of Font Writer, and discussed how it was being rewritten in assembly language for a much faster version of a highly praised work. We had discussed it so often that it never even occurred to me to list the disk, check to see if the program BANNER was written in anything other than total assembly, and see if any of the printer commands were strange or noncompatible with my much used TI(read Epson) printer! I knew that I might have a chance if the program was in XB or even very well commented source code as in some of the fine Fairware programs out there, but high quality commercial object code such as Mike or Peter might have coded...I would have two chances, slim and none.

Anyway, after dozens of sheets of printer paper and yards of ribbon along with lots of hours of ploys to trick the printer or program into doing what I expected it to do, I was no further along on my review than when I started. Finally, through some devious means, I managed to get Mike Dodd cornered at my console and forced (with knife in hand) him to sit there while I loaded the Banner program so he could see what I had complained about for so many weeks. Mike, not suffering from the same mindset, and having no fear of anyone's code (Basic to Assembly and beyond) almost immediately decided to look at the program. And, lo and behold, not only was the program in XB, but the printer parameters were at the very earliest section of the program. A quick look at my Epson FX manual and a one line change fixed the program and made me ashamed I was too stubborn and trusting to do the same thing weeks earlier.

What probably would have compounded the problem was the fact that although Mike also has the TI impact printer, his has been uprated with the Dots Perfect package and probably would have operated perfectly with the coding as it was. The line reads:

```
51 PRINT#1: CHR$(27)&"1"
```

No problem for any later model Epson Printer or compatible. My older model, however,requires the code to read:

```
51 PRINT#1:CHR$(27);"A";CHR$(7)
```

For explanation, I hope it will be sufficient to say that this line sets the linefeed to 7/72nds of an inch. You will have to ask Peter Hoddie, Bonnie Snyder, or some other person to find out why this is necessary. I have had many years of being taught to merely accept some things without explanation and although I still don't like it too much, I have learned to live with it (or is it without it?). At any rate, at this particular point in my life, I find that I have many more questions about things than I have time to seek the answers.

If I haven't belabored this point too much for the most patient of you, you, indeed, like myself, have the patience of an oyster. Now that the printer problem has been solved, let's get on with the program proper.

First we load the Font Writer program disk. Then select #3 BANNER from the menu. When it finishes loading we are prompted for a font filename. The BANNER program requires the font used to be in CSGD format (as well as any graphic file to be included in the banner—That's right Ermintrude, you can mix fonts and graphics right there in a banner!!). Since the program comes with only one CSGD font, i.e. FUTURA/CH, I converted another font,

i.e. CFONT01_F to CFONT01/CH using the Font Manager program (a later review, I hope). I also changed a TI-Artist instance to CSGD format to try mixing things up.

After the font selection, you are prompted for the "stretch width". This prompt will take any single digit number for an input. My personal suggestion for this parameter is to select small (1 or 2) because the program gives you an opportunity to change parameters later and it's easier to change this later than to guess too big. The next prompt is for "stretch height". If you don't know what the maximum height you want is going to be, guess big (explanations follow). Next is the prompt for "extra space". It mystified me at first but after some experimentation I realized that it just adds 0-2 line feeds to the space between characters to prevent crowding of the characters which may make them difficult to read at a distance which is the whole purpose of a banner anyway. Then you are prompted for "left margin". This allows you to center the print on the paper, or not, as you desire. It takes a few tries to figure out how far to move the font, and may differ from font to font, but is no big deal. If, in the above "stretch height" prompt you chose to make your font too big to fit on the paper in the space available, (according to paper width and the left margin you chose) you are returned to the "stretch height" prompt for a new choice which will fit in the available space. This is why you chose too large in the first place. If you want your letters to be as large as possible on the page you can then downsize your choice until it is accepted. Wow! This program is smart! It lets you pick anything, but will judge the size and left margin choices to prevent you from feeling foolish when your letters overrun the right margin and wrap around creating the largest collection of Gibberish you could ever hope to collect. When you find the largest stretch height acceptable to you, the program, and the printer, you can then continue through the next couple of prompts at breakneck speed until you are asked "IS THIS CORRECT?". Now is the time, at your option, to say "NO" and return to the "stretch width" prompt to set it to the desired width (usually the same or a smaller value than the "stretch height" unless you want really FAT letters. Then press enter through the next few prompts that you selected previously and "ENTER (your) MESSAGE". You can enter a message up to 9 screen lines long! Talk about your banners! That could qualify as a streamer (or is that a steamer) or a sail for the Queen Mary! Then you are asked again "IS THIS CORRECT?". If you say yes, sit back and prepare yourself to be in the banner business. I successfully accomplished this in only a couple of tries and immediately danced and pranced for Joy (Joy is a girl who gives me six-packs of Meller Yeller if I dance and prance for her [Gratitudes to Jan and Dean for the above prancing story])!

The fonts I chose (due to their size could be stretched only by a factor of 2 and 3 respectively with a left margin setting of 0 since they were relatively large fonts anyway. I am convinced, however that any font large enough to be legible on the screen or in printer output can be stretched and widened more than enough to fill a standard sheet of computer paper, and should you have the wide paper, you can make the letters large enough to be easily seen on it. The spacing between letters is a purely judgement thing because even with an "Extra Space" choice of 0 there is no joining of letters at close quarters (or dimes if you're on a tight budget) and you may have to look from a distance at the spacing to see the best choice without apparent crowding or paper waste (Can somebody tell me why it's always a parent doing the crowding? At my house it seems to be the children wanting to crowd the parents!).

The graphics (CSGD, i.e. /GR) file is put into the banner at the place you want it to appear by entering the filename in parentheses at the point you want it to appear (e.g. THIS IS (DSK1.JPHPICTURE/GR) A TEST OF THE IMC FROM THE BRIDGE OF THE STARSHIP (DSK1.KIRK/GR) ENTERPRISE.)

Two or three more comments and I will quit torturing you. First, when you print the lines for the banner, don't end a line with a space because it will be ignored (like my column) and you will be stuck with a banner that says "I wishit wouldn't dothis!". Second, the stretch width and height settings aren't seen by the graphics included in the text so you may have to experiment to find what works best with the particular font and sizes you selected. Third, if for some reason you want an unbelievably long banner or a second or third one, the next prompt is "ANOTHER BANNER". All you have to do is answer "Y" and select your settings once more, then enter the rest, or the next message. If you choose not to make another banner you are returned to the main menu of Font Writer.

I found it hard to think highly of this program while trying to review it for this article until I was able to get the printer problem resolved. Although that was a real hassle for me, I cannot let that influence my review of the correctly running program. JPH has done it again as far as I am concerned. This is another fine feature of the Font Writer System. System, because there is too much to the thing to just call it a program. It, like more and more software coming out in today's market is a jewel with many facets. For my personal tastes, there are a few minor flaws as noted in the DISK DUMP mini review and in this one but overall they show me the great strides in programming for the TI that have been made since the likes of the junk I was writing when I got my console and tape player. I only hope this trend in software and hardware continues. If that be the case I shall have no need to trade in my TI99/4A or (hopefully, one day, 9640) for many years to come. I have seen some reviews of programs that say little about the program and lots about the author, most of which is critical. I only hope these bright stars in my little computer world know I appreciate their efforts greatly and while I may point out things which are shortcomings to me in my personal set of circumstances and occasionally make suggestions that would benefit myself personally, I think they are the greatest things since pockets on shirts. Hopefully with the support of the fine user's groups around the world they will grace our ranks for a long time.

P.S. For those uninitiated to the East Tennessee hills, we have a festival every year for the ranks. (Blush, blush!! Mike tells me that it is actually a ramp festival. It's only your breath that's rank afterward)

BUG SPRAY - THE ERROR CORNER

compiled by Tom Freeman

SUPER SPACE II MODIFICATIONS

This is not really a "bug" but rather a hardware "fix" but I thought this would be the best place to put it. It was contained in a message from Ben Hatheway to Danny Nelson on the LA 99er BBS. To quote:

Holding the Supercart with the connector side down and the components towards you, replace the two diodes, one above the memory chip with the band left, the other below the battery, band right, but put a 330K resistor in line with it (not across it). If some programs do not hold then replace the two 10K resistors with 2.2 or 3.9K. I did that today and it helped witha couple of programs that were falling out when the console was turned off.

TIGERCUB

Jim Peterson, Tigercub Software, 156 Collingwood, Columbus OH 43213 sent this to us.

If you bought my C11 disk, Kid's Games, please check line 130 of the Butterfly and Flowers program and, if necessary, change it to -

1000 CALL CLEAR :: CALL SCREEN(4)

If you bought my C12 disk, More Games, and have trouble loading Lost Plane and Andromedan Invasion, please go to line 1000 of the LOAD program and change *TC-18* to *TC-18 and *TC-23* to *TC-23. Or, return the disks to me and I will fix them.

Thanks to Ollie Hebert for this fix to the Gordian Knot in Tips from the Tigercub #36. This will keep it from running off the edge and crashing in the automatic mode.

```
270 GOSUB 480 :: R=R-24*(R<1)+24*(R>24):
: C=C-28*(C<3)+28*(C>30):: CH=128-(D=1)-
(D=3):: CALL GCHAR(R,C,G):: IF G<>32 THE
N IF INT(2*RND+1)<>1 THEN CH=G
```

UNITED 99/4 DATA BASE (Tpics 1/88,p.4)

The main error in John Owen's article was due to a foul up on the part of the editor (Tom) who LEFT out the examples mentioned! John was kind enough to provide them to us on disk for reprinting this month - unfortunately EXAMPLE #3, which showed what a series of screens would look like, was not included. Jan and Alan also provided the solution to the printer "problem."

PLEASE CHANGE PARAGRAPH 3 READ AS FOLLOWS:

"PRINTER SET-UP"

We orginally found a way to make PR-BASE print for the DIP switch settings we had on our MX-80 and GEMINI 10-x printers. We have since learned that if your DIP switches are in FACTORY configuration, you don't (DO NOT) have to change your DIP switches!!!

If your DIP switches have not been changed, use PIO as the OUTPUT device name. For other DIP switch settings, try: PIO.LF, PIO.EC, PIO.CR,"PIO." etc. To set OUTPUT device name use the "O" command (OPTIONS). BEFORE entering PIO, hit FCTN-3 (delete line), then enter PIO. Also make this change PERMANENTLY on the DATA FORM using the "CREATION" program.

ALSO due to formating problems,EXAMPLES NO. 1 AND 2 were not printed. Please add them to the Jan 88 article.

```
*Subj:_____*   ID#: __
*From:_____*
*Mo/Yr:*__/__s*****(Revision) Pg#:___
*Auth:_____*Sect.:_____
  *Cat:_____*  *No.of Screens:_

        Description(TEXT)
_____
_____
_____
_____

Encoded By:_____*
```

EXAMPLE NO. 1

```
  0 @12345678901234567890123456789012345678
 40 ++++++++++++++++++++++++++++++++++++++++
 80 +++Subj:[2345678901234567891+++ID#:+[2]
120 +++From:[2345678901234567890]+++++++++++
160 +++Mo/Yr:*[]/[]*++++++++++++++++Pg#:[23]
200 +++Auth:[23456789012341++UGO:[23456789]
240 ++++++Cat:[2345678911+++No.of+Screens:[]
280 ++++++++++++++++++++++++++++++++++++++++
320 Description:(TEXT)++++++++++++++++++++++
360 (23456789012345678901234567890123456789)
400 (23456789012345678901234567890123456789)
440 (2345678901234567BYXX1234567890123456789)
480 (12345678901234567890123456789012345678)
520 ++++++++++++++++++++++++++++++++++++++++
560 Encoded+By:[2345]*++++++++++++++++++++++
600 ++++++++++++++++++++++++++++++++++++++++
640 ++++++++++++++++++++++++++++++++++++++++
680 ++++++++++++++++++++++++++++++++++++++++
720 ++++++++++++++++++++++++++++++++++++++++
760 ++++++++++++++++++++++++++++++++++++++++
800 ++++++++++++++++++++++++++++++++++++++++
840 ++++++++++++++++++++++++++++++++++++++++
880 ++++++++++++++++++++++++++++++++++++++840
```

EXAMPLE NO 2

LIBRARY ADDITIONS FOR FEBRUARY

by Fred Moore

Two copies Of all program disks will be made available to the members at the regular meetings. If you plan to obtain any disks from the library at the meeting it is best to phone or write the LIBRARIAN in advance to be sure they will be on hand. I will put your name on them.

0000 LA99ers LIBRARY CATALOG FEB 88 UPDATE : SPECIAL PRICE $1.00

NEW ADDS FOR FEB LA99 LIBRARY

Please note that due to the partial printing of the complete library this month, details are not being printed here for those programs that are in this months complete list. The rest of the library will appear next month.

The Library Committee wish to give thanks to those who donated disk to our Library this month : TERRIE MASTER, DAN NELSON, CHICK DE MARTI, S.M.A.U.G/99, CLUB/99 U.G, EARL RAGUSE, TOM FREEMAN, HOUSTON U.G.(HUG), Where is yours?.

2450 UNIVERSAL PRINTER UTILITY Freeware by Dan Gagel 22 6th St. Sayreville, NJ 08872 : Customize you own printer funtions by putting in the printer software controls codes. ANY PRINTER.Use E/A #5 UPU. SSSD(130)

2606C FAST-TERM DIALER &MACROS

2606D FAST-TERM V1.16/2 JAN.88 FASTTERM modified by Peter Hoddie: Catalog with commants, 3 new files commands, Improved XMODEM transfer, Inversed video and many more changes to Paul Chriton program. SSSD(171)

2624 CAT LIBRARY V1.5 Freeware by

2628 ARCHIVER II V2.4 Freeware by

2645 FUNLWRITER V4.0 NOV.87 Issue.

2649 PRM/MODEM Freeware by Ron

2651 QUAD LISTER V4.1 freeware by Herman Nieuwendaal 4715 Fox Hunt Dr.Tampa, FL. 33624 ; This is program that writes, stores and labels Disk with comments. It has "MERGE" files for the Okidata, Epson, Gemini and The Axica printers. SSSD(180)

3018 BUSINESS #11 13 Programs from H.U.G. :RECEIPTS stores & prints expenses, FRICTION find velocity & coefficients, INVESTMENTS calculates value annuties payments etc. FORM 2106 , ADDRESS FILE sort & search, STATEMENTS prints billing, RECORD keeping, FINANCE MATH, HOUSE COST, STOCK TREND, STOCK RECORDS, PERT/C.P.M., WORD PROCCESSING prints, CONVERSIONS English/Metric. SSSD(360)

3019 BUSINESS #12 17 Programs from H.U.G : HOME LOANS basic prints, STOCK MARKET RECORDS, CHECKBOOK BALANCE, LOGARITHMS base 10, CHISQUARE, SIGNA minimus to maximus, LINEAR REGRESSION, ADDRESS prints, MY DOG PEDIGREE printes 32K, UTILITY SERVICE SPREATSHEET printer, NANCY'S BILLS cassette, MONTHY EXPENSES cassette, TREASURE printer, PERSONAL ACCOUNTANT printer, GOLD COIN VALUE FINDER printer, MAIL LABEL printer, MEMBER LIST disk printer. SSSD(357

3020 PERSONAL AUDITOR V1.01 Freeware by W. Gaskill P.O.2642 Grand Junction CO. 81502, This program has all of the tools needed to "Audit and keep personal or business records." SSSD(360)

4538 UN99/4DB By John Owen Index of

4539 MISC #27 27 unique short programs from child to programer. : CONVERTER, TI/APPLE, BRICKBUILD, BASKET WEAVER, PIANO, ECHO, FBI, CURSOR, LETTER HEAD, LOVE TI, PRINT DOC, RUBIX, TINYCAL, TRAIN, TYPEWRITER, and many more. SSSD(359)

5040 EDUCATION #37 18 engineering type programs from H.U.G.: TEACHER'S HELPER analyze student grades, COIL wrapping, COMET positions, CONCRETE BEAM cross section, CONTEST DUPE FINDER logs of radio stations, CROSS CORRELATION FOR CURVES, POWER SUPPLY filter, DX BEARING signs and country, EKG PATTERNS, ELECTRICAL FAULT CURRENT CALCULATION 3 phase, ERROR of closure for traverse, FACTORS prints factors of intergers, FIBONACC compute up to 400 numbers, FILTERS calculates resistor and capacitor, FLUID POWER, ANTENNA POSITION for satellities, HARMONIC CURVE FITTING fourier analysis SSSD(358)

5041 EDUCATION #38 23 engineerinf type programs from H.U.G : HISTOGRAM ACCUMULATION create & stores, KRUSKAL-WALLIS TEST, LENSES computes formula, LINEAR PROGRAMMING, GREAT CIRCLE distance & bearing, MEDICAL CALCULATIONS, MOVING AVERAGES, NIGHT SKY, OUTLYING OBSERVATIONS, PARABOLIC REFECTORS design, HIGH RESOLUTION PLOTTER plots x-y coordinates, POLYNOMIAL CURVE, PNEUMATIC CONTROL SENSORS temp & pressure, QUAD ANTENNA designs, RADIANT EMITTANCE, INTERMODULATION PROGRAM between 4 transmitters, REGRESSION ANALYSIS calculates, ROOTS OF POLYNOMIALS, SHORTWAVE LOG, SOLAR INTENSITY gives azimuth altitude & intensity, STATSPACK, TELESCOPE design, TIME universal to local SSSD(360)

5042 EDUCATION #39 10 programs from H.U.G : TRIGONOMETRIC FUNCTIONS, VECTORS addition & subtraction, VOLTAGE DROP, WAVE CALCULATOR wavelength, FULL WAVE BRIDGE RECTIFIER design, LONG DIVISION CHECKER check math for children, MATRIX finds determinants, MISCELLANEOUS CALCULATION 3X3 matrix, quadratic equations, synthetic division, bisection, RULE OF 78'S contract pay off, TV FREQUENCY, X-SISTOR resistor/transistor. SSSD(199)

6048 GENEALOGY TIW TI-HELPER

7050 CHRISTMAS MUSIC BY James Rush

7051 CHRISTMAS SONGS Freeware by

7052 MUSIC #42 PD/MUSIC/A From

7053 MUSIC #43 PD/MUSIC/B From

7054 MUSIC #44 PD/MUSIC/C From

7055 MUSIC #45 PD/MUSIC/D From

7056 MUSIC #46 PD/MUSIC/E From

7057 MUSIC #47 JP/GH/MUS From

7058 MUSIC 48 BSAVED BY Earl Raguse 9 songs played in Forth with words for sing-a-long. Load with E/A #3 FORTH (DSK1). : BALLERINA, GRANDFATHER CLOCK, AMAZING GRACE, BRAHMS LULLABY, BILL BAILEY, COOL WATER, AMERICA, AMERICA BEAUTIFUL, GOOD NIGHT LADIES. SSSD(360)

8090 WOODSTOCK Freeware by Ray Kazmer 13225 Acores Ave. Sylmar, CA 91342 A very cute DEMO the graphics and action will amaze you. All about Snoopy leaving a Christmas present for Woodstock. Great for all ages. SSSD(75).

8091 ART From users Group : Great graphic programs using E/A #5. Displaying great pictures. Anteater, Bear, Cow, Elephant, Frog, Giraffe, Horse, Weasel, Xerus. SSSD(237)

LIBRARIAN FRED MOORE
7750 EMERSON AVE.
LOS ANGELES, CA 90045
213-670-4293

THESE BUGS DON'T BITE!

by Steve Mehr, UG Member

Membership. Let's define the word, shall we? "The state of being a member, as of a society or organization; the total number of members belonging to a body." Doesn't really say much, does it? My guess is that Webster never owned a TI! My membership is this "body" needs no introduction, but what have I been missing?!? Just east of L.A. is a group of TI'ers it seems that time has not touched. I'm talking about the Brea User's Group, or BUG for short. Many User's Groups (including this one) used to boast about the kind of attendance that BUG continues to draw. This is one strong group. With a membership including people like Newt Armstrong, Roger Davis, Ken Hamai, Bill Harms, Rodger Merritt, and a few I'm sure I missed, you can see what I mean.

I had a very pleasant experience during their last meeting where I was asked by Rodger Merritt to demo Font Writer II and Remind Me!. It sure is nice to see new TI faces, especially ones that make you feel welcome. If (emphasis "IF") I am to join another group, BUG is on top of my list!

P.S. Ken Hamai, sorry to hear of the loss of your father. All of our prayers are with you.

The United 99/4 Data Base

John Owen from the Johnson Space Center User's Group located in Texas was the guest speaker at our January meeting. What. John presented to us is something that will benefit every TI user and is long overdue for our (small?) TI community. John presented a data base created with PR-BASE (hear that Bill!) that will be used to enter data to index User's Group newsletter articles, 4A magazine articles, 4A supplier addresses, 4A hardware/software products, 4A fairware, tips, tutorials, short programs, etc. This data base will be maintained by the JSC UG and will be distributed to all participating User's Groups. This effort needs YOUR support as you can see how valuable this data base will become. Many User's Groups have already started indexing their 1987 newsletters to participate in this venture. All it takes is a little effort from a few members of your User's Group. Thank you Jan Williams!

User's Groups wishing to obtain a starter kit for joining in the United 99/4 Data base should send $1.00 to the address below. Included with the kit is disk UN99DB/1, the first disk in the data base.

JSC User's Group
2321 Carvell Street
League City, Texas 77573

Hopfully, complete information will be included elsewhere in this newsletter.

P.S. In the current issue of MICROpendium (Jan '88) on page six in the Comments section is a mention of indexes. It seems that there are two other data bases already in existence. One involves BASIC Data statements, and the other utilizes TI-Writer (D/V 80). MICROpendium mentions that after they decide on which data base to use, they will publish it in consecutive issues. Very interesting!

If it Ain't Broke, Don't Fix it!
or
(If it is, GO FOR IT!)

I have seldom found myself sharing computer anitdotes via the newsletter. The main reason is that by the time I've discovered something earth-shattering (to me) wouldn't you know it, it just got printed in a newsletter I received the next day! Well, maybe this isn't news to you, but it sure was to me.

When writing newsletter articles, I usually keep

them on disk for awhile. My newsletter disk was getting full and this article was being saved on side two of a double sided disk. When I tried to load it the next day for printing, I found it had intermittent read errors. Horrors! Good thing for my Horizon RAMdisk, as I always save to it also. (Better safe than sorry.) I decided to initialize a disk with the suspect drive and low and behold, side two had forty tiny groves in it. It was just like looking at a record. Yikes! I first thought it was time for a not-cost-effective head alignment, and so close to the Fest too! So I decided to start at the beginning, head cleaning. Then it hit me (ouch!) that all my head cleaning disks (both of them) were single sided. Now what? I then made a flippy out of one of them including a second index hole. With that done, now was I going to access side two since that was the head with the problem? Advanced Diagnostics to the rescue! After loading Diags, I inserted the flippy cleaning disk upsidedown (just like a flippy) and simply attempted to edit some sectors on the other side, eg. ES 500. After a few attempts at this, I initialized another disk with the suspect drive. My heart was pounding as I slowly turned the disk over to examine the other side. No longer was I producing 45's! I hope this information is helpful to others.

HOW TO PICK A RAFFLE WINNER

by Tom Freeman

For the past several months, as our Club has been running raffles with relatively valuable prizes, several members have asked me how I make this a completely fair raffle, especially since one of the Board members won more than once! The following QD (quick and dirty) program is what I developed to make the choice completely random. The problem with TI's RANDOM function is that it is not always truly random. This little program has the feature that the randomness is provided by a member coming to the computer and pressing a key - this non timed event is truly random. I have also added the feature that anybody who has already purchased tickets can be entered into the DATA statements, and those who purchase at the time of the raffle can be entered from the screen.

```
100 DIM A$(300)!186
110 READ N,N$ :: IF N=0 THEN 130 ELSE PR
INT N$,N,!983
120 GOSUB 190 :: GOTO 110 !977
130 DISPLAY AT(24,1):"ANY MORE NAMES? (Y
/N)      Y" :: ACCEPT AT(24,28)SIZE(-1)V
ALIDATE("YN")BEEP:ANS$ :: IF ANS$="N" TH
EN 150 !903
140 INPUT "# TICKETS,NAME (0,0 TO END) "
:N,N$ :: IF N=0 THEN 130 ELSE GOSUB 190
:: GOTO 140 !933
150 N=X :: FOR X=1 TO 100 :: NEXT X !235
160 FOR X=1 TO N :: CALL KEY(0,K,S):: IF
 S=0 THEN 170 ELSE 180 !909
170 NEXT X :: GOTO 160 !995
180 PRINT "THE WINNER IS----------"
;A$(X):: STOP !170
190 FOR X=X+1 TO X+N :: A$(X)=N$ :: NEXT
 X :: X=X-1 :: RETURN !207
200 DATA 3,MR. FIRST,3,MRS. SECOND,7,MS.
 THIRD,50,M. ETC !951
1000 DATA 0,0 !956
```

A quick explanation of the program. Line 100 allows 300 tickets, not entrants. The DIM can be larger, but I don't know what the limit is before memory runs out (probably very large). Line 110 reads those who purchased tickets before the program was run - use the DATA statements in line 200 and add as many lines as you need - just make sure that line 1000, which signals the end, is last, and that the NUMBER of tickets comes before the name of the purchaser. The subroutine at line 190 sets as many elements of the array as necessary to equal the number of tickets, and calls them all by the name of the purchaser. The loop has to reset itself to X-1 at the end because when the routine EXITS the loop, X will be one higher than the last array element set.

The program then returns to 110 and keeps reading more names until 0 is reached, and it then jumps to 130 and asks if there are any more names to enter from the keyboard. If there are not, then we jump directly to the main program in line 150. If there are, the number and name are input and subroutine 190 is invoked again to assign more array elements.

Line 150 is a short delay loop to make sure the last press of the enter key is not counted as the key to exit the following loop. Lines 160-170 are the core of the program. It just keeps on looping through the NUMBERS of the array (not the actual elements - this would take longer) with only two statements between the FOR and the NEXT of the loop, one to detect a key press and the other to exit the loop if one IS detected. Then finally in line 180 the number the loop was at when it was exited becomes the element of the array assigning the winner.

Simple isn't it? It took me longer to write this little article than it did to write the program. It is an example of the power of BASIC to do anything you want it to do. It may not always be fast, but it WORKS. Next month I'll show you an even shorter one that allow the computer to make GUESSES to find the right answer to a question!

By the way, this program was printed using my CHECKSUM utility (published last year in Topics and MicroPendium, and contained on the LA99er UTILITY disk/docs) to ensure accuracy of typing.

RAFFLE RAFFLE RAFFLE RAFFLE

The Club Raffle for the months of February and March is for a GRAM KRACKER! This marvelous piece of hardware was, as you know, discontinued over a year ago, and the secondary market has set prices at least equal if not greater than the original price. Together with my RamDisk and some wonderful programs such as GramPacker, my TI 994/A became a speedy and very versatile computer. DO NOT PASS THIS ONE UP!!!!!

In order to induce you to buy as many tickets as possible - this is after all a fund raising activity for the Club - the price of tickets has been modified so that the more you buy the cheaper each one becomes. Remember that the more tickets you buy the greater chance you have of winnning.

In order to give our national and international members a chance to join in, each raffle goes for two months, so the drawing for the GK will be at the March meeting.

NAME _____

ADDRESS _____

CITY _____

STATE, ZIP _____

1	TICKET	$2.00	_____
3	TICKETS	$5.00	_____
7	TICKETS	$10.00	_____
11	TICKETS	$15.00	_____
15	TICKETS	$20.00	_____
20	TICKETS	$25.00	_____
25	TICKETS	$30.00	_____
30	TICKETS	$35.00	_____
36	TICKETS	$40.00	_____
42	TICKETS	$45.00	_____
50	TICKETS	$50.00	_____

REMEMBER NEXT MEETING - Wednesday Feb. 24, Torrance Public Library, 7 PM

**** CLUB OFFICERS ****

President:		Librarian:	
Tom Freeman	(213) 454-1943	Fred Moore	(213) 670-4293
Vice President:		Library Assistants:	
Terrie Masters	(213) 271-6930	Alan Whiteman	(213) 379-8031
Secretary:		Chick De Marti	(213) 532-8499
Doug Moore	(213) 451-1069	Topics Editors:	
Treasurer:		Tom Freeman	(213) 454-1943
Alan Whiteman	(213) 379-8031	Terrie Masters	(213) 271-6930
Membership Chairman:		Equipment:	
Ed May	(213) 644-6241	Steve Chalcraft	(213) 929-3213
Sales Chairman:		Hospitality Chairman:	
Gail Fair	(213) 326-6660	Myron Harms	(213) 675-3959

Membership in the LA 99ers, including subscription to Topics is $20.00 per year

LA 99er BBS PHONES:

213-755-7239 (Danny Nelson, Sysop) and 213-864-2488 (Steve Chalcraft, Sysop)

WELCOME TO LA99 LIBRARY

THIS LIST CONTAINS THE DESCRIPTION AND NUMBER OF THE DISKS THAT ARE IN THE LA 99 USERS GROUP LIBRARY.

THE PRICE FOR THESE PROGRAM DISKS ARE AS FOLLOWS:

EACH PROGRAM DISK = $ 3.00 4 DISKS FOR = $10.00

MAILING AND HANDLING (USA)
1ST DISK = $ .75 EACH ADDITIONAL DISK = $ .25

WHEN YOU ORDER PLEASE GIVE THE NUMBER ALONG WITH THE NAME.

NOTE PROGRAM DISKS HAVE THE DOCS ON PAPER NOT ON THE DISK. IF YOU CARE FOR THE PAPER DOCS PLEASE INCLUDE THE COST OF REDUPYING PLUS MAILING. PRICE IS GIVEN IN THE DESCRIPTION OF THE DISK.

DISKS ARE IN 11 CATALOGS AS BELOW

DISK #	DISK NAME
0000	INDEX = List of programs with Number in Library
22__	LANGUAGE = Forth -Pilot - C99 - A/E - Pascal - Wycove
24__	PRINT = Printer - Writer - Mail - Label
26__	DISK = Copy - Cat - Manager - Term - Load - Menu - BBS
28__	UTILITY = Test - Bug - Aid - Assemble - Program - List
30__	BUSINESS = Tax - Bill - Record - Checkbook - Bonds - Calc
40__	MISC = Mixture of subjects on a Disk
50__	EDUCATION = Teacher - child - adult - All subjects
60__	HOME = Programs that can be used around the Home
70__	MUSIC = All type of Music with words, graphic, and sound
80__	DRAWING = RLE - Logo - Art - Graphic - Banners - Sketch
90__	GAMES = Games for all ages - Color, graphic, sound & control

ORDER DISKS FROM LIBRARIAN FRED MOORE
7738 EMERSON AVE LOS ANGELES CA 90045
213-670-4293

LIBRARY
L.A.99ERS
1988

FORTH-PILOT-C99-A/E-PASCAL-WYCOVE

2201 FORTH DEMO #2 Use Editor-Assembly XB DSK_.FORTH - Great graphic demostration of FORTH - Circles and Squares Kaleidscope type patterns. (SSSD)369

2202 TI FORTH Includes TI-FORTH disk and 225 PAGE INSTRUCTION MANUAL ($19). Use Editor/Assembly XB DSK_.FORTH (SSSD)369

2203 TI FORTH XB TI-FORTH disk that uses Extended Basic to run. Loads automatically. (SSSD)369

2204 TI-FORTH SOURCE A Up date of TI-Forth by Texas Instrument - Part A New Source Codes (SSSD)252

2205 TI-FORTH SOURCE B Up date of TI-Forth by Texas Instrument - Part B New Source Codes (SSSD)182

2206 TI-FORTH TUTORIAL Use TI Writer to print 35 pages of Forth tutorial, well written by George Smyth. A good addition to TI Manual for more information about FORTH. 2(SSSD)574

2207 TI-FORTH FORUM Use TI-Writer to print 12 lessons on FORTH starting from word ONE great for beginners. 2(SSSD)604

2208 TI-FORTH IMPROVED A TI-Fourth disk modifiet to improve operation written by Micheal Jagerman. . (SSSD)369

2209 TI-FORTH PACKAGE Complete FORTH package consists of 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208 and FIVE TI-NOTES (A 75.00 value for $25.00) a great getting starting Forth package. 12(SSSD)3137 PLUS MANUAL

2210 TI FORTH TUTOR Use TI Writer to print an another excellent beginning Forth tutorial instruction. (SSSD)289

2211 4TH UTILITY E/A or X/B Disassembly, Decoplier, catalog, Mass Copy, File Reader, Fixer, Screen Dump, Writer, Printer, Etc. 2(SSSD)377

2212 4th MANUAL Use TI-Writer or Extended Basic, Prints 49 pages of the FORTH Manual. 4(SSSD)1367

2213 C:BITS A graphics library designed to be used with Clint Pulley C99 program. Aid in translation of Basic program to C program. Use TI-Writer to read. (SSSD)249

2214 PILOT MINI X/B Simulates and demonstrate the essential structure of PILOT. Will list the programs lines as a program line entry, with many more of PILOT commands. (SSSD)57

2215 TI-FORTH FORMATTING Editor/Assembly - Use with Corpcon Controller for Double Sided Double (SSSD)369

2216 MPASCAL This is a single sided PASCAL disk from MUCK - Has System Library file for use with the compiler. System Setup for correct printer configuration. SPRITE program before and after compiled. (SSSD)369

2217 PILOT MANUAL Freeware by Thomas Meithofer 1999 Harburg Dr. Cincinnate, OH 45224 - A 68 page manual for PILOT-99 disk. Use READWRITER program to print. (SSSD)358

2218 FAST FORTH Freeware by Tim Curran 4153 Four Pole Road, Huntington, WV 25701 is for those 'FORTH' enthusiasts needing 40 column auto-repeat, editor locator, etc. SSSD (369)

2219 PILOT 99 Freeware by Thomas Meithofer 1099 Harbury Drive, Cincinnati, OH 45229. This is called the simplest programming language available for the TI/994A. Extended Basic. Manual included on disk many pages. Send him $2 dollars and two ss/sd disks reusable mailer, and whatever postage it costs you to send the two disks. DSSD (449)

2220 C99 COMPILER Freeware by Clint Pulley 38 Townsend Ave. Burlington ONT L7T1Y6 Canada. A excellent NEW language. The first tutorials on the C language. DSSD (713)

2221 TE4TH Freeware by Ken Carruthers 3537 Faberge Way Sacramento, CA 95826. A Terminal Emulator program written in FORTH language. This is a must for those interested in the FORTH language. SSSD (369)

2222 FORTH BACKUP Freeware by Jim Lewis 1907 Trout Valley Rd. Champaign IL 61821. The W.W.99Ders User Group money Maker. An utility program for copying programs written in forth. SSSD (238)

2223 FORTH CONFIGURATION Freeware by Rene' LeBlanc 8719 E. San Lucus Dr. Scottsdale AZ 85258. Provides an enchaced development environment with minimal equipment. DSSD (729)

PRINTER-WRITER-MAIL-LABEL

2491 TI WRITER UPDATE (P10) TI-WRITER has been enchanced to provide true lower case letters, eliminate the form feed while useing the formatter, and provides for a printer default. (SSSD)146

2492 TI WRITER UPDATE (SER) TI-WRITER has been enchanced to provide true lower case letters, eliminate the form feed while useing the formatter, and provides for a printer default. (SSSD)146

2493 FAST PRINT By Bill Harms - X/B - Routines for entering your specific printer codes for special printing. Use as is or merge. (SSSD)195

2494 PRINT SETS $10.00 Printer utilities disk by Tom Freeman - Prints DOUBLE COLUMN, VARIABLE COLUMN and SIDEWAY, With documentation. (SSSD)202

2495 UTILITY #2 Use editor Assembly or Extended Basic. Two popular programs on one disk TI-WRITER and DM-1000. When useing E/A load and run . OK with TI-controller no good useing CorpComp Controller. (SSSD)237

2496 SCREEN DUMP By Tom Freeman X/B OR E/A Will screen dump your program at any point you insert this program, Direction on disk. (SSSD)81

2497 4th SCREEN DUMP By Howard Rogers -E/A- Prints a full size replica of the screen on a compatible printer. (SSSD)

2498 DOUBLE SIDEWAYS By Tom Freeman- Print text or tables sideway on the paper or print two columns useing condensed printing. This program is used in print the front page of our Newsletter. (SSSD)62

2499 PITS Freeware by Ted Mwesley 9932 Crist Ave. Anaheim, CA 92804 - A Printer Initiazation and Type Setting Program. Enable you to control your printer directly from the key board. Menu selections. Basic or X/B. Use with TI-WRITER OR MULTIPLAN. ROTTENHUT is a fun program included. (SSSD)118

2510 SCREENDUMP Freeware by Danny Michaels Route 9, Box 466, Florence, Al. 35630 works with Epson type printers and will give you both verticle or horizontal printouts in double or single size. SSSD (332)

2511 TK/WRITER Freeware by Tom Knight (see above). This does everything the TI-WRITER will do-without need of the cartridge-except Show Directory. SSSS (175)

2512 PRINTOUT Freeware by Steve Mahr 633 Hollybourne Ln. Thousand Oaks, CA 91360. An Extended Basic utility allowing a wide variety of options for outputting A 'display Variable 80' file to an Epson or Gemini printer. SSSD (333)

2513 DISPLAY AT Freeware by Barry Traver Genial Computer Ware Philadelphia, PA 19128. Build a "BLANK" TI-WRITER file to create screen of "Displat At" statements. SSSD (32)

2514 HOMEPRINT Freeware by Bob Lawson 16223 Mill Point Drive, Houston TX 77059. A utility to print Household Budget Management Module files, excellent!. SSSD (323)

2224 FORTH 5 By Bruce Carson (E/A opt 3 DSK1.FORTH) This is a fast loading Forth disk modified with PIO printer default. He has many good programs on this Forth disk. (SSSD)368

2415 FUNLWRITER V4.0 Freeware by Funnelweb Farm Tony & Will McGovern, 215 Grinsell St., Katara, NSW 2288 AUSTRALIA. This version greatly improvs TI-WRITER, EDITOR ASSEMBLY, DISK MANAGER 1000 (3.3) & UTIL1. All are interconnected where you can go between programs. Must read DOCS to get the complete information. 2(SSSD)709

2416 SIDEPRINT Freeware by Jim Swallow 7301 Kirby Way, Stanton, CA 90680. Prints a MULTIPLAN file on your printer sideway. This will allow your spreadsheet to be printed as one continous sheet. SSSD (189)

2417 MAXWRITER V1.3 Paulo Bagnaresi Via J.F.Kennedy 17 20097 San Donato Milanese Italy. Updated Version 1.3 for New Horizon Ram Disk and more. This word processor does everything TI-WRITER can do, and more....Faster, more convenient, everything! DSSD (557)

2418 TM/LABELS Freeware by Steve Mahr 633 Hollybourne Lane, Thousand Oaks, CA 91360. A unique three across label printer utility allowing a wide varirty of options for designing and pri.' SSSD (99)

2419 TI WRITER HINTS Freeware by Dick Altman 1953 Shrader St.,San Francisco.CA 94117. Hints instructions and cosmands controls for useing TI-WRITER. Very helpful. SSSD (193)

2420 MAIL/LABEL Freeware by Henry Beck 689 Country Home Rd. Lexington, NC 27292. Another Mail list and label program. Create data base name,address and phone numbers list (six items) with reverse name. Can select which name to be printed or how many labels you wish to be printed per name. SSSD (57)

2421 TRANSLITERATION Freeware by Jim Mekeel 11596 Forest View Mansion, OH 44024. transliteration program for the TI-WRITER. Complete list of codes useing Control U & shift by useing .IF Command. SSSD (29)

2422 HYPHENATOR Freeware by Wayne Stith 715 Tiaton Drive Richmond, VA 23229. Reads your D/V-80 file and displays it one paragraph at a time. You set margins and it shows word/character that can be hyphenated. The text is saved to new disk file. SSSD (119)

2523 MULTIPLAN PRINTER CONTROL Freeware by Ted Anderson 5179 Caste Drive Pittsburgh, PA 15236. Printer controls codes for the Gemini and Epson printer for printing Multiplan data. SSSD (217).

2424 SAGERSET Freeware by David R.Sagers 214 Orange Ave. Colton, CA 92324. An excellent printer code setter for Star Epson Panasonic Okadata. sets Fonts pitches spacing margin and other commands. Transliter, guides, commands, etc. SSSD (289)

2425 TOUCH PRINT Freeware by David R Sagers 214 Orange Ave. Colton, CA 92324,- A printer utilities disk for the 10X, SG-10, MX-80, Okadata, TI-99 printers. gives their commands for Fonts, Pitches, Spacing, Margins, transliteratim, TI-Writer and many more inforeation for useing a printer, SSSD (314)

2426 PRINT IT V5.3 Freeware by Rodger Merritt 1949 Evergreen Ave. Fullerton, CA 92633,- Create interest letters and reports. Labels small and big, Banners, Scrip writting, Graphics, many more and excellent printer

program. 2(SSSD)538

2427 CHARACTERS Freeware by Rodger Merritt 1949 Evergreen Ave. Fullerton, CA 92635 -CAN BE USED WITH "PRINT IT" over 200 characters and fonts. 2(SSSD)624

2428 DISK LABELS Freeware by Dennis Porpora 90 Boulevard Pequannock, NJ 07440. Prints: 1 or 2 disk catalog side by side. Print disk catalog on Avery labels up to 70 files. Prints 4 labels for both side of a disk. prints an index card and an address label.)SSSD)284

2429 GRAPHIC LABELER Steve McWatty RR#1 Kinburn,ONT K0A 2H0 CANADA. To use Graphic use Dave Rose characters set. Prints 5 rows label with 1st line double emphasied, auto center (SSSD)63

2430 FUNPLUS 4.1 Freeware by Jack Sughrue Box 439 East Douglas, MA 01515 : A disk of templates, documentation, articles, codes, programs, and a great companion to FUNLWRITER and DM1000. 2(SSSD)715

2431 TIMP PRINT COMMAND V1.5 Freeware by J&B Mathis 5941 E 26th Tuscon, AZ 85711 : This file will allow you to place printer commands into any BLANK cell on your multiplan spreadsheet. You can turn off or on different commands at any point. Coveres 12 of the proper printers. A must for anyone useing TI Multiplan (SSSD)176

2432 PLOTTER DEMO 12 Files that demo "PLOTTER" program by Underware. X/B call files(2). TI Controller only for Graphics routines. (SSSD)262

2433 ENV. AND CATALOG PGM Freeware by Triot Software P.O. Box 115 Lisconb, Iowa 50148. An excellent disk cataloging program that allows you to make your own disk envelopes with your own comments about the individual programs on that disk. Be sure to READ the "Hardcopy Instructions" before trying to use it. SSSD (134)

2434 ENVELOPE ADDRESS Freeware by Roger Wilson PSC Box 3475 Edward AFB,CA 93524. Addresses envelopes repeats return address and can change location of "TO" for difference size envelopes. SSSD (54)

2435 CATALOG PRINT Freeware by Jim Mekeel 11596 Forest View, Munsion, OH 44024. Will catalog two disks and print the files side by side on the same page in condensed print. SSSD (26)

2436 FILE PRINT Freeware by Jim Mekeel 11596 Forest View Munsion, OH 44024. will read DISPLAY/VARIABLE or DISPLAY/FIXED disk files. User can display text to screen or printer. SSSD (28)

2437 RAPID SCROLL Freeware by Jurgen Switalski 218 Lake St. Northville MI 48167. Two programs working together Rapid Scroll and TI-WRITER. Basic,Extended Basic or Editor Assembler. SSSD (152)

2438 MAIL/CALL Freeware by Gary D. Watts 1739 Burning Tree Drive, Vienna VA 22180. Can sort and print by last name,state,zip code,city or user defined option and Alphabetize. A SS-SD disk will hold over 600 pages. SSSD (142)

2439 SHARE/WARE Freeware by See each program for designer address - A catalog, manager, labler for the Gemini Printer setup. SSSD (192)

2440 SUPER MAIL LIST Freeware by Jurgen Switalski 218 Lake St. Northville, MI 48167. Fast mail in Assembly Language data base holds up to 199 names,addresses and phone numbers in a single file.Several files can be created. Compatible with TI-WRITER. Add change sort search delete prints etc .as many of the other Mail List programs. SSSD (196)

2441 FILEREADER Freeware by Martin A.Saxley 6149 Bryson Dr., Mentor OH 44060. Three excellent programs. 1.Filereader will read and print out most DIS-VAR file. 2. MS-LABEL 3. 132 PRINT. SSSD (159)

2442 ADDRESS & PHONE FILE Freeware by Walt Davies 17718 Orchard Ln. Salinas, CA 93907 : Keeps your addresses and phone numbers in a file on a disk. Can sort by Name, search by name, address, city, state,zip, or telephone. Prints labels or envelope (large or small) with both TO & FROM addresses. (SSSD)164.

2443 MARINSIDE 99er Freeware by Joseph E.Bartle Chicago TI User Group. 6 programs. 1. Excellent cassette program finder. 2.Disk jacket maker with file catalog. 3.Disk labeler. 4. Disk Mailer. 5. Envelope maker with addresses. 6. Graphic jacket "LOVE MY TI". SSSD (346)

2444 NOTEPAD/CALCULATOR Freeware by Bill Ransom 165 Corbett Ave. San Francisco, CA 94114 .A notepad (simple word processor) and a calculator.both on the same disk. SSSD (32)

2445 RMJ MAILING LIST Freeware by Joe Nuvolini 2982 Whileaway Cir W, Colorado Springs, CO 80917. A handy program that CAN hold up to 9000 names and addresses! It runs in Extended Basic. SSSD (118)

2446 FLIP-FLAP Freeware by Chris Lang 1906 Jackson Rd. Baltimore, MD 21222 : This program prints disk sleeves and displays a disk catalog on front of the envelope. (SSSD)359

2447 PRINTER CODES By Bill Perreau: Codes for Epson and Epson compatible printers. SUPER 5 EN 1201, LOGITECH 5d92, AMUST P88/2, PANASONIC 1091/1281, BMC 80, BROTHER M 1109, MITSUBOSHI MP100: A complete WALL CHART displaying the printers commands. (SSSD)122.

2448 UTILITY #5 CHARACTERS SETS by Jay Leber -15 programs X/B- Change the charcaters set TI-WRITER. Merge into your own program. (SSSD)146

2449 COLIST Freeware by Tony and Will McGovern 215 Grinsell St. Katara, NSW 2289 Australia. Extended Basic, 32K, Disk, RS232, Speech, Printer, SCREEN IMAGE PROGRAM LISTER, Prints 1 to 4 column automatic. Elabrate program to set printer. (SSSD)183

COPY-CAT-MANAGE-TERM-LOAD-MENU-BBS

2601 X/B COPY Freeware from Disabled American Veterans Cincinnati, ohio 45214 - This is an excellent two pass copier for those with only one disk drive. (SSSD)12

2602 XMODEM by Paul Charlton - (use E/A or M/M) A terminal program for sending XMODEM protocol. Can be used with TEXT or other TE programs. Knows all of the ADM3A controls codes and escape sequences. (SSSD)103

2603 MASSCOPY Freeware by Steve Lawless 2514 Maple Ave.. Wilmington, Delaware 19808. This is a beautiful disk copier. You can use two drives at once for rapidity. SSSD (167)

2604 DM1000 3+8 Freeware by Ottawa 99/4 U.G. P.O. BOX 2144 Station D, Ottawa,ONT, K1P5W3. Up date version 3+8. OK for TI, CorComp, Myrac, Geneve

controller. To use with replace MGR1 and MGR2. (SSSD)373

2695 DM1000/3 Freeware by Source Code available from the Ottawa TIUG on 1 DSSD or 2 SSSD diskettes. Source Code for DM1000/3 can be obtained from the Ottawa User Group. DSSD (582)

2696 FASTTERM Freeware by Paul Charlton 1110 Pinehurst Court, Charlottesville, VA 22901 is another excellent Terminal Emulator, some say "it's the best one available anywhere". DSSD (662)

2696C FAST-TERM DIALER MACROS V2.8 Freeware by Brad Cook 6845 Rivertown Road Fairburn, GA 30213 : Modified version of Fast-Term. Autodial upto 20 numbers, has Macros and Logon files. Works with Funnelwriter. Load E/A #5 DSK1.FAST1. SSSD(159)

2697 THE DIRECTOR Freeware by Ron Rutledge 1920 3rd St., Waukee, IA 50263. An Extended Basic program database that allows cataloging disk-based programs. SSSD (131)

2698 PRBASE V2.0 Freeware by William Warren 2373 Ironton St., Aurora, CO., 80010. An Assembly language database program with full screen editing and fast sorts. Design your own data screens. 2(SSSD)705

2699 DIST CATALOG Freeware by Larry Duke & Scott Beeker 4704 Palo Duro NE.Albuquerque, NM 87101. Another Disk Catalog X/B, add, delete, print, display, purge, disk information. SSSD (68)

2610 TE-2 ENCODER Freeware by Ken Gilliland 543 Riverdale #15 Glendale, CA 91204. Made for Bulletin Board Operators who want to provide Grapgic,Speech and Color to their TE-2 Cartridge. SSSD (178)

2611 DISK MANAGER 99 Freeware by Mike Dodd 116 Richards Drive, OliverSprings TN 37840. Another disk manager. Extended Basic,Console Basic with Editor/Assembler or the Mini-Memory. Protect or unprotect ,rename files or disk.test and catalog a disk to screen or printer. SSSD (271)

2612 MASS TRANSFER 4.3 Freeware by Stuart Olson 6625 W. Coolidge St. Phoenix, AZ. 85033.An assembly language Terminal Emulator, menu drive, X & Y Modem capable of multiple transfers all at once. Auto dial, Upload and down load multiple RAM disks. Many features the best Terminal Emulator in town. 2(SSSD)(407)

2613 SUPERCART DISK Freeware by David Roser 213 Earl St. Walbridge, OH 43465. 2 programs, E/A loader and DIS/FIX 80 loader. A super catridege module loader. Also call HOMEBREW MODULE SOFEWARE (SSSD)330

2614 DIRECTOR '99' Freeware by Robert Neal P.O. Box 216R, Roseoville IL 60441. Excellent disk cataloging program. Allows you to enter description for each disk and file. Can hold 550-700 files per ss/sd disk. SSSD (140)

2615 MASTER CATALOG Freeware by Mack McCormick HHC, 1rst Inf. Div. APO NY 09137. This is called the best Assembly language disk catalog around. It's super fast and will handle more disks than you have. Something in the neighborhood of 2000 programs. SSSD (53)

2616 DISK MANAGER Freeware by Todd Kaplan 5802 N. Western, Apt. #3G, Chicago, IL 60659. Assembly Language an another disk manager. Copy, delete, change, protection file or disk. As good as TI, Corcomp or DM1000. SSSD (75)

2617 SUPER DISK DUPLICATOR Freeware by Tom Knight 7266 Bunion Drive, Jacksonville, FL 32222. You can start and stop from any sector number on your disk. There are claims that it will copy ANY disk runnable on the 99/4A!. SSSD (44)

2618 MENU LOADER Freeware by Jergen Switalski 218 Lake st. Northville, MI 48167. Create catalog menu useing editor/assembly #3 or #5. can select by useing joystick or keyboard. SSSD (70)

2619 DISK FILE CATALOGER Freeware by Jim Williams 5217 122 PL. SE. Bellevue, WA 67115. Program is designed to eliminate the tedious task of updating disk labels,find what file is on what disks and help find duplicated files. 125 disks 525 files. SSSD (90)

2620 TESC DIALER Freeware by Joe Freeman Engineering Dept. of University of Florida is so superior to TI's TERMINAL EMULATOR 2 that there is no comparison. It permits downloading of 20 times as much info from bulletin boards and instantaneously! It'll sure save you phone time on the big boards like COMPUSERVE and THE SOURCE. SSSD (79)

2621 TECHIE Freeware by Monty Schmidt 525 Wingra St. Madison, WI 53715 .A BBS program, with modes setup,board access downloading and other files. SSSD (353)

2622 COMBINE Freeware by Nick Iacovelli 1411 N 36TH Melrose Park, IL 60160 Takes multiple files and combines them to one file, save space on back up disks, also will uncombine. Will not work with Myark Controller. SSSD (39)

2623 MY TERM Freeware by Tim MacEachern P.O.Box 1195 Dartmouth, NS B2Y-4B8, Candana, Smart modem useing E/A, auto dial from phone list. SSSD (98).

2624 CAT LIBRARY Freeware by Markin Knoll Jr. 218 Kaplan Ave. Pittsburgh, PA 15227, will catalog your library disks, add, delete, search, list, print, sort, SSSD (136).

2625 CATIUG (1.0) Freeware by Marty Knoll Jr. 218 Kaplan Ave. Pittsburgh, PA 15227 By useing GRAM catalogs up to 350 disks 2300 files, merge, search, add, delete, print screen or printer 1, 2, or 3 columns plus many more items. (SSSD)159

2626 RE-DISK-IT Freeware by John Schroeder 2856 n Holton St. Milwaukee, WI 53212 Extended Basic - Will copy any disk SSSD, SSDD, DSSD, DSDD, useing Corcomp Controllor $10 (SSSD)67

2627 BACKUP V1.1 Freeware by Michael Ballmann 271 NW 43th St. Apt #3 Oakland Part, FL 33309 - Editor/Assemble (load and run)enter, TI-Controller only, Will Backup most disks on market. Gives Track #, side #, Sector #, Size of sector, Error code on read and write, Doc on disk. (SSSD)62

2628 ARCHIVER #2 V2.3 Freeware by Barry Boone P.O. BOX 1233 Sand Spring, OK 74063. Updated version Pack & unpack files, with ARC-Files added Compatible with 2648 ARCHIVER #1, and seems to be a little faster. E/A #5 LOADER is the loader. (SSSD)34

2629 SUPERDIAL Freeware by Roger Davis 11410 Grovedale Whittier, CA 90604 Use with Fast-Term (on disk). 3 functions 1. PC PURSUIT DIALER. 2. LOCAL DIALING. 3 VOICE DIALING and BBS connection. (SSSD)310

2630 PRO 99 BBS Mark Hoogendoorn 21 Long St. Burlington, MA 01803. Improved by Roger Davis. This is a TI BBS with true TE2 transfer capabilities. Instruction on setting up and running 99 BBS system. (SSSD)342.

2631 MXT BBS Freeware by Stu Olson and Gary Owen : An Assembly Language program, loads with X/B. This bulletin board will run on one DSSD disk but

would greatly limited the board up and down loading. Has complete remote system operation and allows multi transfer without an attendence. An excellent BBS when two disks drives are used. 2(DSSD)971

2632 P TERM 99 Freeware by Richard Bryant 417 East Alpine St. Altamonte Spring, FL 32701-7801 300/1200 MODEM PROGRAM, X/B, E/A, Printer up and down loader, complete file transfer, and others. (SSSD)141

2633 TRACKER Freeware by Will McGovern 215 Grinsell St. Kotara,NSW 2289 Australia : Track copier for MYARC Disk Controller. Track SSSD disk only. Use E/A Run Program File. (SSSD)31

2634 CATALOG Freeware by Rasoft System 25685 Trabuco Road El Toro, CA 92630. This is an excellent cataloging program that lists all your disks and files in alphabetical order. Loads from option #3 of the E/A Module. (SSSD)114

2635 FLIP-FLAP Freeware by Chris Lang 1906 Jackson Rd. Baltimore, MD 21222 : This program prints disk sleeves and displays a disk catalog on front of the envelope. (SSSD)330

2636 THE USABLE DISK CATALOGUER V2. 0 Freeware by Weatern New York User Group, 2753 Main St. Newfane, NY 14108 : A data base disks cataloger sorting out such file names as LOAD, A, FILES2 etc. programs can be sorted alphabetically by your k' word (Games, Music, etc.), file name, or disks name. Number of sectors, kind of program access (D/V,I/F,PRM ETC.), access (E/A,X/B,TIW,etc.), and COMMENTS (your own words). (SSSD)139

2637 THE WORKS Freeware by Howard Uman 3913 Sybil Rd. Randallstown, MD 21133 : A Unitily disk of 8 popular programs TI-WRITER, DM-1000, FAST TERM, EDITOR ASSEMBLY, LABEL MAKER, DISK CATALOG, ARCHIVER, X-LATE. Simular to FUNLWRITER 2(SSSD)653

2638 SUPER SAVE Freeware by Erik Olson 6305 Rabbit Ears Circle, Colorado Springs, CO 80919-2125 : Program is used to make program files from assembly object code. Do not need the source code to save no changes are needed to the source code program. Use E/A cartridge's load & run. Disk also includes some good freebie games (SSSD)360

2639 HERIZON RAMDISK By Steve Mehr - An extended Basic utility loader for use with CALL MENU operation system written by John A. Johnson. (SSSD)40

2640 OMEGA TE By Travis Watford. The newest in Terminal Emulator that includes on-line RLE viewing, printing, and down loading to disks. programmable keys, one-time set up and other features. (X-B) load E/A. (SSSD)129

2641 LOAD/4U! By Steve Mehr. A Extended Basic customize LOAD program that read a disk catalog WRITE the LOAD program for you. You gotta see it to believe it. Use Steve Mehr Extended Basic program loader along with LOADMAKER and MENUBUILDER. (SSSD)42

2642 COPY/2 Freeware by Michael Ballean 271 NW. 43RD St. Apartment #3 Oakland Park, FL 33309. A copy disk that uses track copying with either Corcomp or TI Disk Controller Card. The disk also includes an Assembly program that dumps the ROM from a Module to a disk. (SSSD)184

2643 DISK MANAGER IN FRENCH freeware by Guy Boudreault 305 24th ST. Quebec, Canada G1L 1W4 : Simular to DM 1000 but written in FRENCH. (SSSD)112

2644 QUICKLOAD Freeware by Robert Anenta 14 Greene Rd. Hillcrest, NY 10977 : Enable the quick loading of any program on the Disk along with comments. Can copy any file or all files quickly. (SSSD)28

2645 FUNLWRITER V4.0 NOV.87 Issue. Freeware by Tony & Will McGovern 215 Grinsell St. Kotara, NSW 2289 Australia. This Version Greatly improves TI-WRITER, EDITOR ASSEMBLY , DISK MANGER 1000 (3.5) & UTILITI. all interconected with each other. Must read DOCS to get the complete infomation. 1(DSSD)698

2646 LOAD/AL Freeware by Barry Boone P.O.Box 1233 Sand Spring, OK 74063 .Select,Load & Run Assembly Language programs (auto) by useing Joystick or by numbers. SSSD (14)

2647 TEXT LOADER Freeware by Curtis Allen Provance, Paragon Computing, 17 Constance ST. Merrimack, NH 03054: An excellent Assembly Language program that converts text files (like TI Writer) to programs (like Extended Basic), merge and EA/5 Loader included. (SSSD)306

2648 ARCHIVER Freeware by Barry Traver 835 Green Valley Drive, Philadelphia, CA 19128- stores and restores any combinations of files, that is it will take all the files in a program (such as Funwriter) and put them all under one file, and (DM1000) under another file all on one disk.Many programs can therefore be put on one disk without mixing their files, SSSD (33)

2649 PRM/MODEM Freeware by Ron Baker 1220 Timbercrest Dr. Youngtown, OH 44505 : Pack or unpack files of PR-BASE records for X-Modem transfer. SSSD(46).

TEST-BUG-AID-ASSEMBLE-PROGRAM-MENU

2601 ADVANCE DE BUGGER A Assembler Debugger by Rich Boehmler. A sophisticated and power debug tool. Explanes Navorne SUPPER-BUGGER and TI-DEBUGGERER.(SSSD)203

2602 TEXT TO SPEECH Use Speech Synthesizer, Memory Expansion, Extended Basic. Allows the TI-99/4A to speech almost any English word, will work with the TI-Terminal Emulator. Great to make your own words, Phases and Sound effects. Instruction on paper $1.00 extra.(SSSD)106

2603 TI 99/4A SYSTEM TEST A disk and instruction for testing the 99/4A. Diagnotic, Keyboard, Speech, Joystick, Peripheral, Pascal, Memory Expansion, RS232, Cassette, Printer, and trouble shooting tips. Instruction on paper $2.00 extra. (SSSD)322

2604 SAMS COMPUTERFACTS For viewing only at club meeting not for sale Copied Written information. All paper no disk.

2605 99/4A SPECIFICATION For viewing only at club meeting. Not for sale copied written information. All paper no disk

2606 SCREEN PAGER Allows the viewing of listing from programs that are not currently in the memory. Great for calling up repeatedy screen setup, such as in many games. (SSSD)47

2607 DISCO X/B Gives a short description of the most important sector on the disk sector >0 and it's Disk bit map. A must to work with any good Disk Fixer. DISKOU is used when copying modules to XB. (SSSD)57

2808 DISK + AID Version 1 (Object code) By M & T Utilityware A single Sectioning utility with over 28 menu driven operations for the TI-994A. X/B, E/A, M/M. Paper Manual included (over 50 pages) $4.00 extra. (SSSD)183

2809 DISK + AID Version 2 (Source Code) By M & T Utilityware. The source code for the DISK + AID Program. (SSSD)334

2810 MEMORY MANIPULATOR By M & T Utilityware. A utility program to scan, search, compare, move and print any memory in the TI-99/4A. Documented Source code included on disk, 27 page paper manual also $3.00 extra. (SSSD)358

2811 MAVORCHE DBM Mavorone Data Base Manager Manual Update. Not the Module or disk bue the Manual,(SSSD)98

2812 COUNT Freeware by Jim Jagielski Route 2,box 626 Sanbornville,NH 03872 - Counts the number of words in a file. EA/COUNT1 A/L in uncompressed form. EA/COUNT2 A/1 in compress form. WORD/CT/1 & 2 X/B version. WORDCOUNT call load version. (SSSD)154

2813 MEATLIST Freeware by Danny Michaels Route 9 Box 469 Florence, AL 35630- lists multi-statement lines to your printer OR disk and references your program variables to simplify reading. SSSD (368)

2814 SUPERBUG II Freeware by Edgar L. Dohaann Route 3, Box 94, Alvin, TX 77511. An excellent enhancement of TI's Superbug, and it includes change-of-output device from your screen; color toggles, added commands, and much more. SSSD (368)

2815 DISASSEMBLER Freeware by Marty Kroll 218 Kaplan Ave., Pittsburg, PA 15227. Disassemble in either mnemonic instruction,text or data format. Out to screen,printer,or disk. SSSD (235)

2816 COMPACTOR Freeware by Monty Schaidt 121 N. Blair, Madison, WI 53703 Takes an uncompressed Dis/Fix 80 assembly language program and compress it to 2/3 disk space,and will do all sorts of things to your Display/Fixed 80 assembly language programs, as well as conserves disk space. SSSD (18)

2817 UNCOMPACTOR Freeware by Monty Schaidt See above. The opposite of Compactor. SSSD (18)

2818 DISK HELPER Freeware by Jim Makeel 11596 Forest View,, Munson, OH 44024. A utility disk with disk manager, CATALOG PRINTER and DISK FIX/VAR READER. SSSD (265)

2819 TI/SORT Freeware by David R.Romer 213 Earl St. Walbridge, OH 43465 Manipulation of Dis/Var 80 files. Single or BI-level ascendind ASCII Quicksort or Shellsort routine. SSSD (339)

2820 UNIVERSAL DISASSEMBLER Freeware by Rene'LaBlanc 8719 E. San Lucas Dr., Scottsdale AZ 85258. SSSD (368)

2821 ASSEMBLY UTILITIES Freeware by Silver Wolf Software P.O Box 4242, Santa Rosa CA 95402. A powerful XB UTILITY in assembly language. Lower case,ASCI & ABLE. SSSD (119)

2822 BEXAS Freeware by Paolo Bagnaresi Via J.F. Kennedy 17 20097 San Donato Milanese, Italy——or LaVerne Searcy....11767 Jamacha Blvd.,#175, Spring Valley, CA 92077. This is not really FREEWARE, but doggone close to it. This is the Editor/Assembler on disk! I can't find anything my E/A cartridge can do that this one can't. And this one works excellently with Paolo's version of BA/WRITER described in item 2105. SSSD (346)

2823 X/DISASM Freeware by Fred Hawkins 1028 North 6th St. Allentown, PA 18102. For those that send him a few bucks, you receive excellent documentation to go with his program on disk. Use sector copy will not catalog. SSSD (???)

2824 MICRO ASSEMBLER Freeware by R.A.GREEN 1932 Chantenay Dr. Gloucester, Ont. Canada K1C2K9. Revised, Compatible with TI. Improvements. A macro facility, listing format, diagnostic, cross reference, run independent of module. DSSD (682)

2825 STAR Freeware by Michael Riccio Coa-Link Enterprises 953 Fillmore St. Phila, PA 19124 - A super assembly language program in X/Basic. You can move lines, change line numbers, create Assembly subprograms, many more items for the programmer to use to produce a better program. (SSSD)359

2826 MENU From M.U.G. 19301 NE 19th Ave. North Miami Beach, FL 33179. A program for the Horizon Ram Disk 256K-1024K where Batch MENUing system is used. (SSSD)304

2827 TI KEYS V3.0 Freeware by Wes Johnson 404 Furman Lane Ladson, SC 29406 - Define 36 keys so that when typed as control keys, they will display up to 31 characters of text or code. Has preset commands if needed. $10 (SSSD)146

2828 X/B HELPER Freeware by Ken Houle 27721 W Wakefield Rd. Saugus, CA 91350 - Short program to help you when you are in Extended Basic, Program is not yet complete. (SSSD)62

2829 ENHANCED DISPLAY PACKAGE (V2.1) Curtis Alan Provance 17 Constance St. Merrimack, NH 03054 % Paragon Computing - X/B The purpose of this package was to rewrite the various screen commands so that they could be used in either GRAPH (32 column) or TEXT (40 column), or COMMAND mode. (SSSD)351

2830 ARCHIVER #2 Freeware by Barry Boone P.O. BOX 1233 Sand Spring, OK 74063. Compatible with 4184 ARCHIVER #1,and seems to be a little faster. ARCLOAD is the loader. (SSSD)30

2831 LINKER Freeware by R.A.Green. 1932 Chantenay Drive Gloucester, Ont. Canada K1C 2K9. A tool for building assembler language memory image programs from tagged object. It makes this process simple and straight forward. (SSSD)233

2832 DISK HACKER Freeware by Will McGovern 215 Grinsell St. Kotara, NSW 2289 AUSTRALIA -TI Controller only- A powerful disk utility to examine the actual format of each track of a disk. Single or double sided. Also has cassete and E/E program loader. (SSSD)217

2833 X/B TOOLS Freeware by Jim Swedlow 7701 Kirby Way Stanton, CA 90680 : The XB/Tools programs take a program that has been saved on disk in merge format and either extract information or modify it. REFERENCE, COMPRESS, NAMECHANGE, LINEMOVE, DATAPRESS, PRINTER, ASMART, INSTALL LOAD. (SSSD)335

2834 ALIGN By Robert James Ennis, TX This program enables one to step a TI or CorCoop Disk Controller track by track. The purpose is to enable one to use an Alignment Diskette to align the heads. It can also be used to keep the diskette revoling so that a Disk-Type head cleaner can be used. (SSSD)59

2836 MYCOVE-PRO Freeware by Barry Cosier 2 Cleveland Cressant Dartmouth Nov Scotia Canada, b3a-2l6. A three part disk. 1. a drawing program in Forth (opt 5) using Joystick. 2.A game in Forth STAR use Joystick. 3. Instruction on how to get more screens on your disk using TI-FORTH.

(SSSD)342

2836 MENU MAKER From Mickey Schmitt P.U.G. A program where you can generate your own menu with a one line discription and auto load from an existion disk. (SSSD)129

2837 DSKU/4.0 Freeware by John Birdwell 7052 Springhill Circle Eden Prarie, MN 55344 An update of DISK UTILITIES 2149. An excellent Disk Utilities program that has FILE UTILITIES, DISK MANAGER, DISK UTILITIES, SECTOR SYSTEM SET UP. (SSSD)107

2838 MEGA MENU Program to be used with SUPER SPACE II OR SUPER CART. PROGRAMS gives 3 pages of MENU of 9 items each. (SSSD)42

BUSINESS

3001 BUSINESS #1 25 Business type programs from AMNION FINANCIAL MATH, FRACTORIAL INTEGER, RECEIPT EXPENSE, DERIVATIVE OF FUNCTION, LINEAR REGESSION. NUMBER CONVERSION, ADDRESSES, CHECKBOOB, ESTATE, STOCK RECORD, SANDWICH SHOP, STOCK TREND AND REPORTS, THERMAL PRINTER TEST, HAM FILE, P.E.R.T., C.P.M., AUTO EXPENSE, HANDICAPPER, WORD PROCESSING, MOST ANYTHING YOU WANT TO KNOW REGARDIN G LOANS, CONVERSIONS, CHECK SORT, SURI, AMORTIZATION SCHEDULE, ANNUITIES, CONVENTION LOAN ANALYSIS, HOUSE INVENTORY (SSSD)356

3002 BUSINESS #2 23 BUSINESS TYPE PROGRAMS FROM AMNION - DEPRECIATION, HOUSE COST, INSTALLMENT PAYMENTS, STOCK TRANSACTIONS, CHECKBOOK BALANCE, LOG, RECORDS, CHISQARE, INTEREST PROJECTOR, 1040 FORM, ALPHA NUMERIC, CHRISTMAS LIST, COMPARE, COMPARE PRINTER, DECISIONS, DEDUCTIONS, DIRECTORY, INCOME AVEING, INVESTMENT VALUE, INVEST, MEDICAL EXPENSE, PULMONARY TEST, HOME BUDGETING, FIZZY DECSION MAKING. (SSSD)345

3003 BUSINESS #3 22 Business programs from AMNION -LIFE EXPECTANCY, SIMULTANEOUS EQUATIONS, FINANCIAL PLANNING HELPS, FLIGHT PLAN, MASTER INDEX, PAY, THE CHURCH TREASUER, RECORD FILE, TREND LINE ANALYSIS, PRINT RIGHT, INTEREST PROJECTOR, REGRESSION, LOAN TREND ANALYSIS, EMPLOYEE PAY CHECK, STATEMENT ANALYSIS, OPERATIONAL COST, COSTING, FINANCIAL RATIO, INVESTMENT CALCULATOR, GENERAL INVENTORY, BREAK EVEN, COLUMNAR PAD. (SSSD)352

3004 BUSINESS #4 17 Business programs from AMNION -BARGRAPHER II, STOCK COMMISSION, THE INVESTOR, THE BILLER, BID PROJECTOR, COST EFFECTOR, RAFFLE TICKET PRINTER, INTEREST/DEPRECIATION SCHEDULE, INVESTMENT COUNSELOR, THE TAXMAN, ITEMITED DEDUCTION WORKSHEET, FINANCIAL WORKSHEET, PERSONAL BANKER, PAYROLL CLERK, FINANCIAL HEALTH, ACCOUNTS FILE, AUTHORITY FOR EXPENDITURE. (SSSD)353

3005 BUSINESS #5 14 Business type programs from AMNION -LIFE CYCLE COSTS, PAYROLL RECORDER, CATALOG, WORKSHEET, EXPENSE JOURNAL, GLASS ESTIMATOR, MINI INFO-STATS, BAR GRAPHER, LIGHTING FACTORS, AUTO GRAPHS, PORTFOLIO ANALYSIS, THE LAST HOUR, STOCK LISTER, COMPOUND INTEREST WORKSHEET. (SSSD)359

3006 BUSINESS #6 18 Business type programs from AMNION -WORD PROCESSOR, TEST SCORE ANALYZER, LOAN CALCULATOR, STOCK PRICES MOVING AVERAGES, CASH ASSETS, TIME PAYMENT COMPARATOR, PRESSURE VALUE DESIGN, ESTIMATED TAX ANALYSIS, TEXT EDITOR, GRADE POINT AVERAGER, LOAN PACKAGE, THE FARMER, PLOT AND SAVE, CROP MASTER, BUSINESS FORECASTING, CHECK LEDGER, COST CALC, GEMSTONE APPRAISAL, INVENTORY CONTROL. (SSSD)356

3007 BUSINESS #7 15 Business type programs from AMNION -LAW CASE RETRIEVAL, PAYROLL PERSONNEL, FEEDER PIG ANALYSIS, TINY PLAN, NITROGEN NEEDS, P.E.R.T.II, LE BON MOT, ILLUMINATION FACTORS, TRAVEL EXPENSES, LAND SCORING, WEAVING CALCULATOR, STUDENT SCORING SYSTEM, MESSAGE GRAPHS, BONDS. (SSSD)341

3008 BUSINESS #8 8 Business type programs from AMNION -BAR GRAPH II, LEARNING CURVE, FOREIGN CURRENCY EXCHANGE, SALES ANALYSIS PROGRAM, STAGECOACH PROBLEM, STOCK MARKET, FINANCE. (SSSD)348

3009 BUSINESS #9 17 Business type programs from the LA99 Library- ANNUITITIES, AUTO EXPENSE, INCOME AVERAGING, FINANCIAL MATH, CHECKBOOK #1, CHECKBOOK #2, CHECKBOOK SORT, DOC'S BILLING, RECEIPT EXPENSE #1, EXPENSE REPORT, INVEST, LOAD ANALYSIS, PAY CHART #1, PAY CHART #2, STATEMENT, STOCK RECORD PRK, STOCKS #1.(SSSD)351

3010 BUSINESS #10 15 Business type programs from the LA99 Library- ACCOUNTS RECEIVERABLE, AMORTIZATION, PERSONAL BANKER, FINANCIAL PLAN, CHECKBOOK #2, CHECKBOOK RECONCILE, DEPRCIATION, ESTATE, INTEREST PROJECT, IRA COMPARISION, LOANS, P.E.R.T, PORTFOLIO, STOCKS RECORDS. (SSSD)285

3011 FAST-TRAN Freeware by BILL HARMS 6527 Hayes Court Chino, CA 91710 - A fast checkbook spreadsheet routine for 12 months. Also good for budgeting and income tax. A utility for many related jobs. DSSD (683)

3012 CHECKBOOK AND BUDGET MANGER freeware by John Taylor 2170 Estaline Dr. Florence, AL 35630 An extreemly effective program for both checkbook and budget maintenance. Analyze your spending habits. (SSSD) 357

3013 EE BONDMASTER Freeware by Realestate Projection, 499 Elberon Ave. Suite #2 San Pedro, CA 90731- Updated 3/1/87 Keep track of up to 100 EE BONDS. Calculates and prints interest years and tax info. (SSSD)137

3014 TAX 1986 Freeware by James Sleeth P.O.Box 20723 El Cajon, CA 92021-Uses Multiplan to print 1986 Federal and State income on Federal and State form. 2(SSSD) 681.

3015 RECORD PLUS Freeware by Steve Risner 1351 Sierra Alta Dr. Tustin, CA 92680-A data base I/O program which allows custom printing, lists, labels, sorting, full screen editing and many more features. Let your "imagination" be your guide. (SSSD)360.

3016 INVOICE Freeware by David Belanger 1345 Akard Drive Reno, NV 89503-A I/O program which keeps an invoice of charges and credits with balance. Program will print and save to disk spreadsheet type results. (SSSD)133

3017 EASY BILL PAYING Freeware by Rodney Wirtz 337 Loma Ave. Long Beach, CA 90814. An excellent program that makes bill paying an easy chore, almost enjoyable, for it does all the necessary bookkeeping work for you. It keeps track of all your outstanding checks, lists your income, lists your month-end bills, helps you budget and helps you save for periodic large bills and much more. (SSSD)353

MISCELLANEOUS

4501 H.C.M. VOL.4 NO.1 APOLLO (logo), FIDDLE (basic), MELTDOWN (x/b), MUSIC ASSEMBLER (basic), MUSIC MAGIC (x/b), SLOTS (basic), TOWER OF HANOI (basic), FLAK ATTACK (basic) (SSSD)237

4502 H.C.M. VOL.4 NO.2 FROGO (logo), CANNIBAL (basic), THE HOME SECRETARY (basic), LOGOFILES (logo), SEA OF STATES (x/b), TABLUT (x/b) (SSSD)162

4503 H.C.M. VOL.4 NO.3 ELEMENTARY ADDITION & SUBTRATION (basic or x/b), BARS & PLOTS (basic), SNAP CALC (x/b), CYBER CIPHER (basic), WILD KINGDOM (x/b), MISSLE MATH (basic or x/b), FLAKES (logo)

4504 H.C.M. VOL.4 NO.4 BOOLEAN BRAIN (x/b), TAX DEDUCTION FILLER (x/b), MARKET MADNESS (x/b), STADIUM JUMPING (basic or x/b), SPREADSHEET (logo procedures), MISSIONARY IMPOSSIBLE (logo procedures) (SSSD)199

4505 H.C.M. VOL.4 NO.5 BIRDBRAIN (x/b), DIVISION TUTOR (x/b), PERSONAL LOAN CALCULATOR (x/b), JUMPING AHEAD WITH GAME PROGRAMMING (basic or x/b), QUIT CONSTRUCTION SET (basic or x/b), QUIZ GERMAN1 (b or x/b), QUIZ GERMAN2 (b or x/b), QUIZ TRIVIA (b or x/b), QUIZ VOCAB1 (b or x/b), QUIZ VOCAB2 (b or x/b), SLITHER (b or x/b), SNAP-CALC UPDATE mergeable file (x/b), CLONES (logo procedues), PERSONAL LOAN CACULATOR (b or x/b), SNAP-CALC DATA FILE (x/b), SNAP-CALC LOGIC FILE (x/b) 2(SSSD)409

4506 H.C.M. VOL.5 NO.1 ORBITAL DEFENDER (b or x/b), ELECTRONIC BACKGAMON (x/b), KORS-ELF (x/b), PERSONAL LOAN CALCULATOR (b or x/b), ORGANIZER file manager, main menu, outline editor, dummy report (b or x/b 32K), QUIZ-PRINT (b or x/b), RAZZLE DAZZLE (b or x/b), SAILING (logo all), (SSSD)342

4507 H.C.M. VOL.5 NO.2 EVACU-POD (x/b), IT FIGUREST! (x/b), LASERITHMETIC (b or x/b), RAZZLE DAZZLE (b or x/b), THE ORGANIZER REPORTS (x/b), SWITCH 'N' SPELL (b or x/b), *ORGANIZER FILE EXAMPLE (random access file), *OUTLINE EDITOR UPDATE (x/b), TAX DEDUCTION FILER UPDATE (x/b), *SEA OF STATES UPDATES (x/b), (SSSD)223

4508 H.C.M. VOL.5 NO.3 BUDGETRON (b or x/b), TI TECH NOTE (x/b), GEOMETRIX (b or x/b), RAZZLE DAZZLE horizon (x/b), OVER-REACT (b or x/b), TORPEDO ALLEY (x/b), ACHILLES AND THE TURTLE (logo), *EVACU-POD UPDATE (x/b), *PERSONAL LOAN CALCULATOR CALCULATOR UPDATE (x/b) (SSSD)209

4509 H.C.M. VOL.5 NO.4 ARCHEDROID (b or x/b), RAZZLE DAZZLE composer (x/b), MIME OVER MATTER (x/b), RUN-DAY-VIEW (b or x/b), TRIG-TRIX (b or x/b) (SSSD)163

4510 H.C.M. VOL.5 NO.5 RAZZLE DAZZLE cyber-abacus (x/b), BUGOUT (x/b), CARD-TRIX (x/b), TI TECH NOTE error recovery (x/b), NANO PROCESSOR (b or x/b), ONE-LINER (x/b), PLAINS OF SALISBURY (b or x/b), TEN-LINER (b or x/b), VITAL SIGNS (b or x/b) (SSSD)179

4511 H.C.M. VOL.5 NO.6 RAZZLE DAZZLE TI ventrilcquist (b or x/b), CELL MATES (x/b), NANO EDITOR (b or x/b), ONE-LINER (x/b), SELF CITY (ZB OR X/B), TI CARD SHUFFLER (x/b), TEN-LINER (b or x/b) (SSSD)171

4512 MISC #1 From Brea Users Group. 16 miscellanous programs: JOURNAL, SORT, MATH, BAR/GRAPH, DIS/VAR 80 TO X/B, CANNON/SCRIG, FUNNY/GAME, ISAMSTR, JUNGLE/JIM GAME, LOAN AMORTIZATION, PIE/SQUAD GAME, LOGO GRAPHIC, SENTENCE, STING SONG, STOCK INFO. (SSSD)355

4513 MISC #2 25 Miscellaneous & Utilities programs from Aanion: 2XCHEX (interprets hex string), CALENDAR (find date & prints), CONVERSION (temp, factor, log, coordinates, roots, pressure, etc.), CURRENCY (convert one type to another), DECOMPRESSION (for scuba drivers), DISKINDEX (data statements), ELECTION (predict outcome), GRAPHICCAT (display graph of file useage), HEXDUMP (dump selective hex), HOROSCOPE (astrologer 's helper), I-CHING (give meaning of sticks), JOURNAL (keep track of activities), MAIL/PREP (for Source dump), MONSECODE (creates code per key), MOTION (move graphics), ORBIT (Polar), ROCKET (model design), SMOKER (test), SPRITER (define character), TAPE/FILE (indexes), TEXILOGON (update old file), TITLE (create color titles), WEATHER (draws model) (SSSD)357

4514 MISC #3 23 Miscellaneous and Utilities program from Aanion: APHORISMS (catchy saying), BANNER (print your own), BASIC I,II,III (teach yourself), BAUDOT (teletype tape), CONVERTION (metric, temp, volume, area, etc.), CROSS/REF (tables of variables, lines), CRYPTOGRAPH (encode & decode), ENIGMA (encrypting & decrypting), FOG/INDEX (lettering writing), INKBLOT (Rohrachach test), IRA (tax saving), LINEEDITOR (deletes sections of program), MILAGE (maintain car statistics), PEEPER (see contents of memory), PRIORTIES (decisions helper), REM/OUT (remove all REM), SORTED (bubble & shell), YR/RECORD (appointments) (SSSD)355

4515 MISC #4 15 Miscellaneous and Utilities progras from Aanion :CAT/SORT (bubble, shell, gap, breakdown), COUPON (stores coupons), CREDITCARD (maintain record),DOTBAR (tv alignment), ENCRYPT (encode & decode), KRYPTO (a codeing program), LIFE (expectancy graph), METRIC (converts), POET (poetry), PRINT/TEST (Epson or TI printer test), PSY/TEST (your personal psychiatrist), RS232 (printer tutorial), SCREENDUMP (screen display dump slow), SEARCH (for variable), SORTING (names), STATS (keep records in order), UTILITY (sorter, carpet est., depreciation, morage, pricing, etc.) (SSSD)355

4516 MISC #5 16 Miscellanceous & Utilities progras from Aanion : COLOR/TV (test color TV), DISASSEMER (9900 Assembly Language), FREQCOUNT (counts distribution of letters etc.), MINI-MEM (stores data inti mini memory), MINI/DATA (create mini data base), MINISAVER (dump mini memory to disk & vise-versa), PHOTO (photographer's helper), POINTS (football point spread calculator), SCELL (6102 tutorial & demo ticker tape stylel, SORT# (demo & tutorial on bubble sorting 81038), SPEECH (synthesizer vocabulary), SQUARE (square dance timing), VIDEO/TAPE (maintain records), WEATHER (gives graphic temperature), WEIGHT (maintain ideal weight) (SSSD)357

4517 MISC #6 LA MEW LETTER Progras that are in the LA99ers Newsletters manual (The best of other users group programs) are also put on this disk saving you the trouble of typing thea in yourself. (SSSD)122

4518 MISC #7 An excellent disk cataloquer by Stephen Shaw- To be called from your XB program with CALL LINK. A memory image file, several character progras. Also a X/B disk copier and core. (SSSD)254

4519 MISC #8 Jays-Programs self load in.X/B, speech, TE II, 32k, Printer, and Disk. CATALOGER, CALCULATOR, ENVELOPE, PHONE NUMBERS, SALES-SLIPS, CLOCK, WORD SEARCH, TIMER, SAY, BALANCE, ETC. (SSSD)215

4520 MISC #9 X/B or E/A 12 Utilities programs, ON/SLASH, CHANGE TO SECTOR 0, DISASSEMBLER, DISK FIXER, GOSUB/N, LABEL 99, LOAD SECTOR COPY,RAW INFO, RESTORE/N, SCREEN DUMP, CATALOG, VDP. (SSSD)338

4521 MISC #10 8 files from Brea Users Group- CONV/TABLE (Basic,x/b) converts hex, binary, decimal. DISASSEM (Opt 3 E/A START). DISK/COPY (Opt 3 E/A). DISK/PATCH (Opt 3 E/A START) fctn [(1=hex, 2=ascii, 3=exit, 4=down , 5=begin, 6=up, 8=new, 9=menu. HEXA/DEC (b or xb) converts hex, decimal. MERGE/READ (x/b reads a file saved as merge on screen. MINI/DUMP (basic

with M/M sodule) dumps source code. RELOCATE (basic with M/M sodule) relocates assembly language. (SSSD)193

4522 MISC #11 9 files from Brea Users Group - CALENDAR (x/b) prints an appointment calendar. CARDPYMNT (x/b load-dbm) credit card payment analasis. CARDTRANS (x/b load-dbm) credit card data base manager. COLOR-TV (b x/b) program to adjust color on tv. LOAD-DBM (x/b) loads both cardpyment & cardtrans. LTR-WRITER (x/b) word processor. OFFICE (x/b) disk file demo's. OFFICE/DOC documentation for office. THETIMEMGR (x/b) build in clock. (SSSD)334.

4523 MISC #12 13 Files ffrom Brea User Group - CATALOF (b x/b) displays or prints out disk listing. DATA/BASE (X/B) loads arktdata4. DISK/LABEL (x/b) prints a disk index on a large label. DISKFINDER (b x/b) use with disklister to find a file. DISKLABELS (x/b) prints a disk list on a small label. DISKLISTER (b x/b) lists all your disk indexes on one disk. INDEX (b x/b) display disk index on screen. LOADER (x/b) loads a program from a menu, works with index program. MRKTDATA4 part of data/base program. READWRITER (x/b) will display or print a TI-Writer file. XB-BUDGET sample file for xbcalc. XB-LOAN sample file for xbcalc. XBCALC (x/b) spreadsheet like multiplan. (SSSD)193

4524 MISC #13 13 files from Brea User Group. CHARPAT, CLOCK, CLOCK/LOAD, CLOCK/S, CONVERT, CONVERTER, EXCLOCK, GRAPH/CAT, INDEX, LISTER, LOADMAKER, SHRINK, XLOADER (SSSD)166.

4525 MISC #14 12 files from Brea Users Group - BANNER/1 (x/b) prints large banners with 5 inch high letters. BANNERS/2 (x/b) prints large banners with 5 or 3 inch high letters. BANNER/3 (b) same as banner/2. CALOR (x/b) prints a planning calendar. CC/CAT/DOC (use ti-writer or readwriter on utility#8) doc for cc/cat/gen, cc/catter, cc/apb/cat & cc/apb/gen. CC/CAT/GEN same as cc/catter except for gemini printer. CC/CATTER (x/b) prints a 4 inch wide printout of your disk index that fits on front of your disk jacket. CC/MPB/CAT same as cc/catter except that it uses the apb clock card. CC/MPB/GEN same as above useing Gemini printer. CROSSREF (x/b) gives variables and line numbers of your program. GOTHIC (x/b) prints large English Gothic letters. XB/COLOR (x/b) changes screen color while you are entering a program. (SSSD)297

4526 MISC #15 14 files from Brea User Group - BREAKFILE (x/b) breaks up long TI Writer files. CATLOAD (x/b) loads X/B+E/A. CURSCRFLIP flips what is under the cursor with a mirror image. DATABASE loads as part of pharase. DISKRUNNER runs programs with single key. INDEX (b x/b) disk index. LOADER indexes & loads programs. PHASE (x/b) speaks any sentence. PR12 read and prints data files in dis/var, dis/fix, int/var & int/fix. SETUP loads as part of phrase. SPEAK loads as part of phrase. TEII/ASCII (x/b) gives you the ascii number for any key, ctrl & fctn. XB+E/A-CAT disk catalog called by call link. XLAT loads as part of phase. (SSSD)284

4527 MISC #16 -29 files from Brea User Group - DEMO/PLDMP loads dsrlnk. DSRLNK part of plot/dump & screenndump. DSRSOURCE source code for dsrlnk. DUMP part of plot/dump demo. DUMPSOURCE source code for dump. JUSTFY part of text justification demo. JUSTFYSRCE source code for justfy. LOAD loads all demo programs. LOGO printer dump used with demo/pldmp. LOGOSOURCE source code for logo. PLOT used with demo/plsmp. PLOTSOURCE source code for plot. QUICKSRC source code for sort program. RECSCR used with screen recall demo. RECSCR/S source code for recscr. SAVSCR saves screen to disk. SAVSCR/S source code for savscr. SCREENS screen recall demo. SCROLL used by line scrolling demo. SCROLLDEMO screen scroling demo. SCROLLSRCE source code for scroll. SORT used by quicksort demo. SORTDEMO quicksort demo. TEXTJUSTIFY text justification demo. TIME program used by recall demo. VDP used by vdpdemo. VDPDEMO demo for vpoke & vpeek. VDPSOURCE source code for vdp. VENUS program used by recall demo. (SSSD)358

4528 MISC #17 17 files from Brea Users Group - CASH/ASSET (b x/b). CHART/ACCT (b x/b) program to chart stocks. FUNSTOCK & FUNTEMP multiplan program. HOME/LIBRY (b x/b) inventory your books. HOME/MORT (b x/b) compute morgage payments. HOMEBUGSET HOUSE/BUDG (b x/b) personal budget. INDEX (b x/b) disk index. PRINT/28 (x/b) print your program in 28 column form. STATEMENT, STATISTICS, STK/CHART, STOCK/ANAL, STOCK/MKT, TITLESCNTR. (SSSD)335

4529 MISC #18 22 files from Brea Users Group - ALFA-SORT (b x/b) list maker & maintenance. BASKETBAL1,2,3 maintain a basketball team's ststs. Group. BNDACTVFIL program to aid in band pass active filter stage design. BPUZZLE crossword puzzle maker. CALTEX-99U & CALTEX-HSC utility for caltex network. COND/PRINT displays a program in condensed record structure. EDITOR1 edits programs saved in merge format. GRADER/STU figures averages on data such as student grades. KMART-DEMO (speech) demo to sell 99/4A. LOAD disk index program. MAC-TI lods a joystick controlled calculator. MEMORYDUMP & MEMORYFILE a memory dump program. RANDOM/WIN picks the winning raffle number. RESISTOR converts ohmic value to colors & visa-versa STATEMENT prints business statements. STATISTICS figure means, deviations, & more on data that you have enter. STR_CHART1 & STOCK-MKT1 a deviations, & more on data that you have enter. (SSSD)357

4530 MISC #19 16 files from Brea Users Group - 40/COL/DOC 40/COLUMN 40COLSAMPL (x/b) editor assembly program in call loads to use 40 column screen. ADDRESS (b) address programs. ANCESRTY, FAMILY, HUSB-FAML, WIFE-PEDS (x/b) family tree program. FLIGHTPLAN (b x/b) flight plan. HANDICAP (b x/b) horse race handicapper. MEDICALERT (x/b) medical program. METRIC (b x/b) metric conversion. RELATIVEIQ (x/b) measure your IQ. TICK (x/b) puts a clock on the screen. TRENDLINE (b x/b) trend line. XBIORYTHMB (x/b) biorythm program. (SSSD)332

4531 MISC #20 14 Freeware by Dan Guzsy 22 6th St. Sayreville,NJ 08872 - CONFIGHLP1 & 2 1st & 2nd screen aid for upu. DESIGN1&2 downloads character designer for Gemini. GENERALHELP brief instructions for upu. ICONVERTER converts TI Artist instance into merge format. MAIL-CALL creates list/address file. OKIDATA data file for upu. ONLINE game to be played on 2 TI's via modem. PINBALL (x/b) very rudimentary game. UPU (e/a #5) printer program to configure printers. UPU_TUTOR instruction for useing upu. UPV part 2 of upu. UPW part 3 for upu. (SSSD)317

4532 MISC #21 BILL'S MIXTURE Freeware by Bill Rodriquez 32150 Seneca St. Hayward, CA 94544. An interesting mix of original Catalogers and Sprite designers, along with one of the best Morse Code practice programs. Including the source codes for one or two of them, there are twelve different programs all written by a non professional programmer. Send a disk and a re-useable mailer, along with a couple of dollars for the whole disk of interesting programs. SSSD (325)

4533 MISC #22 ML/Utility Freeware by Art Green of the Ottawa TI-99/4A UG, Issue 2 Contains 6 assembly language utilities including 3 disk utilities, a terminal emulator and a printer set-up for dumping PrintArt files to your printer, with a disk to cassette added in this issue, DSSD (567)

4534 MISC #23 DISK UTILITIES V3.3 Freeware by John Birdwell 7952 Spring Hill Circle Eden Prarie, MN 55346 : A DSSD disk with the following menu. COMPARE DISKS, PRINTS SECTORS, SECTOR EDITOR, FIND STRING, DISK REPORT, DIRECT COMMENTS, FILE UTILITIES, PRINTS SETUP, SCREEN COLOR. Provides the user with a means to study how data is stored on a disk. Good for changing and editing the data to suit their own purpose. Auto-Dialer II for Fast tero also has been added. (DSSD)665

4535 MISC #24 17 Freeware by Karl Roastedt 2543 Cranford Rd. Columbus

Ohio 43221-1195 Disk full of Misc. programs : ADDRESS MACHINE create maintain address list, prints, labels, search, edit, auto phone dial. ALPHASPEAK teach your child the alphabet, speech & graphic. COMPRESSOR automaticall compress program. CONTRABAND outer space game. CONVERT convert numbers from binary, hexadecimal, or decimal. COSMIC DUEL a space duel game. DEBT CALCULATOR a spreadsheet interest rate % payments. DRILL create load edit disk file for queations and answers. FREEZER a disk base inventory of your freezer. GRADEBOOK create save edit class records. GUMMED LABEL MAKER make 3*5 X 15/16 labels each line can have a different fonts Epson type. HOUSE NUMBER a number game for children speech and graph. LABORATORY CALCULATOR biochemical % changes, gravitational forces, radioactive, ultrafiltration, etc. LOAD 2 load programs. NESTING ERROR ANALYSIS finds the unfinish loop. PANORAMA 2 create high resolution graphic merge. PRINTER INITIALIZATION select font combination for variety printers. SPRITE DEFINITION IV define sprites & merge up to 30 sprites. SUPER JOT guessing game of 3 letters words 2(SSSD)710

4536 MISC #25 Freeware disk from New Horizons Users Group. About 13 associated utilities programs: 40 COLUMN, SCREEN DUMP, DSR LINK, JUSTIFICATION, PLOT, SCREEN RECOVER, SCREEN TO DISK, SCROOL, A/L SORT, TIME,

LA99 EDUCATION

5001 THE EVERYTHING TEACHER by Intellestar - Five sets of programs to provide customizing learning material for teachers and parents. TV SWEETAKES, BASEBALL, SPACE PATROL, LAST JELLYBEAN ON EARTH. Documentation $1.99 EXTRA (paper) (SSSD)178

5002 THE TEACHER HELPER by Intellestar - A set of three programs. Highly responsive to teacher needs, featuring a fast flexible and easy to use Grade-Book and grade graphing system. Documentation $1.99 EXTRA (paper) (SSSD)79

5003 TURN OFF THE WATER by Intellestar - A set of 2 program which provides customized spelling practice combined with entertaining "hangman" style game. You can create and store your own spelling list. good for grade level 2 thru 6. Documentation $1.00 EXTRA (paper) (SSSD)48

5004 HEART ATTACK by Intellestar A Life Science program. age 11-adult. A 3 part program which puts you in control of a sophisticated model circulatory system, blood cells type and the nervous system. Documentation $1.99 EXTRA (paper) (SSSD)59

5005 VYGER by Intellestar -Provides a relistic model of the Solar System. Learn about the atmospheres, surfaces, weather, tesperature and navigational conditions pecular to each plantes ,the Sun and the moons. Documentation $1.00 EXTRA (paper). (SSSD)97

5006 CELLS by Intellestar - A Life Science series. - 3 parts set provides insight to the inneroost working of life's building blocks the cells. Documenation $1.99 EXTRA (paper). (SSSD)126

5007 INSIDE FRANKIE STIEN by Intellestar ,a Life Science Series. - A 2 part program try to keep Frankie alive by monitoring his body funtions and stimulate or suppress the various body systems. Documenation $1.99 EXTRA (paper). (SSSD)56

5008 FIREBALL by INTELLESTAR - A arcade stlye action game which combines math practice with entertainment. Grade 2-8 Develop speed and accuracy (+.-,X,/).Documentation $1.00 EXTRA (paper). (SSSD)54

5009 AIDS Surgeon General's Report on Acquired Immune Deficiency Syndrome by U.S. Department of Health & Human Services. Use TI-Writer to print. (SSSD)239.

5010 EDUCATION A FREEWARE disk by Regena P.O. Box 1582 Cedar City, Utah 84720 (E/B) 10 excellent programs music, typing, math, for the young (SSSD)316

5011 EDUCATION #11 22 programs for the whole family by AMNION - CLOCK, COLOR CRAYON, VOCABULARY, TIME CLOCK, ADDITION TEST, LARGE CHARACTERS, WORLD FLAGS, MATH TEST(SPEECH), MATH TEST, FILE, GERMAN, MORSE CODE, SPANISH TRANSLATOR, TENSE, TRIANGLE, BIORHYTHMS, ALPHA, COLOR MATH, ALPHANUMBER, GRADING SYSTEM, SPELL (SSSD)355

5012 EDUCATION #12 24 programs for the whole family by AMNION - WORD TOTAL, TRADE, BIORHYTHMS, PRECIOUS METALS CONVERSION, TIME AND SPEED, LEAST SQUARE, RESISTOR TEST, BIBLE BOOKS, CAREER FILE INDEX, PRESIDENTS II, CAPITOLS, STATES, MATH TUTOR, FIRST ADDITION, SPELLING "B", CALL KEYS, DAYS BETWEEN DATES, DAYS WEEK YEAR, NAME NUMBER (SSSD)360

5013 EDUCATION #13 18 educational programs for the whole family by AMNION -SPELLING WORDS, WORD SYLLABLE, WORLD FLAGS, QUADRATIC EQUATION, SPELL DOWN, SOLAR, DIVIDE, TEST TUBE, TRINOMIAL, AX BY = C, COLOR FRACTIONS, FLAGS OF THE NATIONS, FACTS OF LIFE, DRAW, ELEMENTARY ARITHMETIC, GUESS THE NUMBER, FINGERS SPELLING, (SSSD)354

5014 EDUCATION #14 programs for the whole family by AMNION - RELATIVE IQ TEST, ALGEBRA, BOWLING MATH, CHANGE, CATAPULT, PROJECTILE PROBLEMS, METRIC CLASS, GRADING SYSTEM, A TYPING TUTOR, JR HI MATH, TESTING, STATES QUIZ, COUNTRIES, SCIENCE, (SSSD)289

5015 EDUCATION #15 12 excellent educational programs for the young at heart by AMNION - 5 programs of SPEAK SPELL FLASH, BASEBALL MATH, TRIGNGNIC SOLUTION OF TRIANGLES, WORD TEACHER, MATH RACE, MATH AID, GRADE BOOK, HAPPY SPELL, (SSSD)348

5016 EDUCATION #16 14 Educational program for age 4 to 40 by AMNION - MICHIGAN, RUSSIAN TYPEWRITER, SPANISH MATH QUIZ, PIGGY BANK, EUROPEAN CAPITOLS, SPELLING TESTER, TEACHER'S GRADEBOOK, STATES & CAPITOLS,

TEACHER'S CLAIM, TEST WRITER, LANGUAGE EXPRESSIONS, WORD SCRAMBLE, ADDITION PRACTICE, (SSSD)339

5017 EDUCATION #17 16 educational program for the whole family by AMNION - WORD TWINS, ROADRUNNER, ALPHABET SOUP, SPELLING TESTER, LET'S PLAY ARITHMETIC, LEUKEMIA TUTORIAL, THE BARNYARD GROUP (5 programs add, count, divide, multi, & sub), JR HI MATH HELPER, CAPITALIZATION PRACTICE, USA FACTS, CONSTELLATIONS, (SSSD)348,

5018 EDUCATION #18 16 educational programs by AMNION - THE MUSIC TEACHER, GEOLOGY QUIZ, VOCABULARY TEST, STUDENT GEOMETRY AIDS (5 programs plane geometry, solid geometry I, solid geometry II, euclidian transformations, solution of triangles), SPELLING AIDS (2nd & 3rd), UNSCRAMBLE, FRACTION DRILL, ALPHASTER, IQ WORDMASTER, POETRY MAKER, (SSSD)353

5019 EDUCATION #19 15 educational programs by AMNION-MOUN INSTRUCTION, COUNTING, MATH QUIZZER, CAI TEST, SAY AND SPELL, ARITHMETIC DRILLS, GETTYSBURG ADDRESS, SUPER FLY, DRILL GAME, BIG LETTERS, MASTER WORD LIST, BIBLE GAME, MORSE CODE TRAINER, EVOLUTION, WATER POLLUTION STORY, NUMBER FUN (SSSD)354

5020 EDUCATION #20 15 educational programs by AMNION- STATES QUIZ, PIGGYBANK II, THE ANSWER MAN, MATH HANGMAN, PROMOTN HIGHDIVE, SPANISH FLASH CARD, MATH CONCENTRATION, FRENCH VERBS, MAKE A STORY, ENERGY, NIGHT SKY. (SSSD)344)

5021 EDUCATION #21 13 educational program by AMNION- UP DOWN LEFT RIGHT, NUCLEAR CHEMISTRY, ROCKY ROBOT'S ALPHABET, ROCKY ROBOT'S DIVISION, SWEDISH VOCUALARY DRILL, MENUMATH, THE ABC SHOW, CHART OF ATOMOC WEIGHT, ALL ABOUT GEOGEGIA, BEGINNING SPANISH, HEBREW KEYBOARD, THE PHYSICS RACE (SSSD)347

5022 EDUCATION #22 14 educational programs by AMNION- KATIE'S ADDITION, FRENCH GRAMMER GAMES, ROCKY ROBOT'S LEARN TO COUNT, ROCKY ROBOT'S SUBTRATION, PRESIDENT'S GAME, GEOMETRIC COORDINATES, SHAPE SEQUENCE IQ TEST, BIOLOGICAL SYMBOLS, LINEAR ALGEBRA, MENDEL'S LAW, 9th GRADE PHYSICS, CONSTELLATION, HANG GLOBE, TIMES FUNS GAME (SSSD)343

5023 EDUCATION #23 12 educational programs from AMNION - TELLING TIME, PRE SCHOOL FUN, JED AVEC LES, ADDITION MAGICIAN, MULTIPLICATION MADNESS, TYPING TRAINING, ROCKY ROBOT SINGS, READ FAST, THE TYPING GAME, MATH MUNCHER (SSSD) 350

5024 EDUCATION #24 12 Educational programs from AMNION - MORSE CODE TRAINING, CONCENTRATION SPANISH, SPACES SHUTTLE, ENGLISH TO CZECH, ARITHMETRICD DRILL, SPANISH VERBS, MAKE WORDS, VOLCANO FACTS, TYPING, ADDITION MAGIC, ARITHERAPH, MATH PUZZLE (SSSD)344

5025 EDUCATION #25 15 LANGUAGE educational programs -CZECH, FRENCH, GERMAN, HEBREW, RUSSIAN, SPANISH, SWEDISH , (SSSD)277

5026 EDUCATION #26 20 PRESCHOOL education programs - FIRST ADDITION, ABC, ALPHABET, NUMBERS, LETTERS, CLOCK, COUNTING, DRAWING, KEYBOARD, TELLING TIME, WORDS, (SSSD)346

5027 EDUCATION #27 8 EXCELLENT education program by John E.Taylor- great for pre-school children. COLOR MAST, EGG HUNT, INTRUDER, SPRIT BUILDER, ALPHABET DELIGHT, COAL TOCAS 2(SSSD)669

5028 EDUCATION #28 10 Programs for the Astrongeers. Trace the Comets, Planets, Moon, World latitude longitude and find out when the Sun raises and set on any date. ELLIPTICAL ORBITS, FULL MOON, HALLEY COMET, WORLD MAP, SOLAR CALCULATOR, THE ASTRONOMER, PLANETARY ORBITS, ASTRONOMER, ASTRONMY, SOLAR MAP. (SSSD)255

5029 EDUCATION #29 From Aanion 30 "ENGINEERING" type programs : MOHR'S CIRCLE, FFT 256 FFT POINT , ANTENNA, DATA FORECASTING DIVERGENCE, TEMPERATURE CONVERSION, BLACK BOX, CIRCUIT, STATS, ELECTRONICS, 3-D PLOT, BORE, CROSS CORRELATION FOR CURVE, HARMONIC CURVE FITTING, ALTERNATOR AND TRANSFORMERS, MATRIX(99/4), CURVE FIT, AC VOLT, AMP CIRCUIT DESIGN, POWER, REACT, ELECTRONICS SOLVER, ATOMIC WEIGHT CALCULATOR, STATISTICAL ANALYSIS, MOVING TIME DATA, TRIGONETRIC CALCULATOR, NEWTONIAN INTERPOLATOR, ANTENNA ALIGNER. (SSSD)258

5030 EDUCATION #30 From Aanion 27 "ENGINEERING" type program. : 555 TIMER DESIGN, DECIBEL CALCULATOR, GEOMETRY CALCULATOR, STATISTICAL ANALYSIS, OIL WELL CASING DESIGN, RESISTIVE ATTENTUATOR DESIGN, FACTORIAL II, HYPNOTIC INDUCTION, WIND CHILL FACTOR, CLOSED LOOP SYSTEM ANALYSIS, PRIME NUMBER CRUNCHER, STATISTICS TABLES, COMET CALCULATOR, PLANET WATCH, FIBONACCI'S NUMBERS, PIPING SYSTEMS ANALYSIS, TELESCOPE SPECS, UNIVERSAL TIME, POLYNOMIAL CURVE, CONVERSION II, MATRIX DETERMINANT EVALUATOR, VECTOR ADDITION/SUBSTRATION, PARABOLIC REFLECTOR, AIRCRAFT DESIGN, MINI MUF, MOON WATCH, MCS OP-AID (SSSD)

5031 CLIBS FREEWARE BY Joseph Zeff - C99 - Consists of two sets of functions : LOGICAL and MATH. Progras is written to fill a gap in C99 ver1.32. (SSSD)42

5032 EDUCATIONAL #8 Freeware by Marty Knoll Jr. 218 Kaplan Ave. Pittsburgh, PA 15227 : 3 Trailware programs 1. CONTERBUS A non-violent game for young children in Basic. 2. GEOMETRIC SHAPES in X/B illustrates many geosatric shapes, labels the dimensions, displays formulars, and calculates volume, perimeter, area, or circumference (call files (1)). great for Jr.high student. 3. MORSE CODE TUTOR X/B both begineers and advanced Morse Code users. Learn and improve code recognition & speed. Learn code, select speed, pitch. Can be used to transmission over the air. (SSSD)216

5033 EDUCATION #31 From Brea Users Group. 10 Educational progras in Basic. ALGEBRA, ANATOMY, MATH/1, MATH/2, FRENCH, SPANISH, SPELLDOWN, SPELLING, TYPING/1, TYPING/2. (SSSD)331.

5034 EDUCATION 32 From Brea Users Group 12 educational programs in Basic and X-Basic. ALGEBRA, ARITHMETIC, CHILD/MATH, FRENCH, GEOMETRY CURVE, MATH/CHALLENGE, MORSE/CODE, MULTI/3RD, SPELL HELPER (TE-II), SPANISH, WORD/WORLD (CHILD). (SSSD)264.

5035 EDUCATION #33 14 Educational programs from HUG Users Group. STATE CAPITOL (XB) Quiz naming Capitols, TIME CLOCK (B)
teaches children to tell time, TENSE (B) learn verbs, COLOR MATH (B) 8 to 11 yrs, FIRST ADDITION (B) simple, WORD TEACHER (TEII) spelling, STARS (XB) teaches stars in your location, TEST1 (B) make own test, TEST2 (B) make own test plus answer, VOCABULARY (B) expand word power, ASTRONOMY (B) constellations, JR.HI CALCS (B) area volume circumference, READ FAST (XB) improve reading speed. WORD IQ BUILDER (B)call files (1) 1 to 4 players (SSSD)357

5036 EDUCATION #34 22 Educational program from HUG Users Group. SPEAK & SPELL (B TEII) flashes card & speak, SPELLING (B TEII) like speak & tell with printer results, GERMAN TUTOR (B) German to English, PRIME NUMBER 1 (B) display numbers 3 to 1779, PRIME NUMBER 2 (B) generates and prints numbers, FIRST AID 1 (XB) short course with graphic, FIRST AID 2 (XB) more tips and quizzes, ABC (XB speech) flashes alphabet & number speech, BASIC PRIMER II (B) TI Basic explained, MATH PROBLEMS (B speech) elementary, TI DIVISION

(XB) elementary, SIMILARITY (B) triangles, PERIMETER (B) triangles, FRE SCHOOL ACTIVITIES (B TEII speech) introduction to the computer, ANGLES (B) determines supplementary, POLY ANGELS (B) isosceles triangle, CONE AREA (B) computes, DICE (B) gives random numbers, LET'S PLAY TRAINS (XB) pre school keyboard, ANIMAL (disk) guessing game, DISTANCE & BEARING LOCATOR (B) latitudes & longitudes, MOON (B) figures position, (SSSD)368

5837 EDUCATION #35 28 Programs from H.U.G. +/- TEST (B) addition and substration questions, CONVERT (B,XB) hex-binary convertion, FLIGHT SIMULATOR (XB J/S), FLORDIA QUIZ (B), GEORGIA QUIZ (B), HERO'S FORMULA (B) triangle calculations, LANGUAGE DEMO speaks 5 different languages, MATH DRILL (XB printer) all type of math, PLANET (XB) quiz on our Solar System, TI-TEST quiz on the 99/4A, TI-TUTOR (B) teaches the TI computer, WINDCHILL (B) calcultes temperature, WORLD (B) gives distances between any two cities. (SSSD)368

5838 EDUCATION #36 18 Programs from H.U.G : STORM (XB printer) Plots the Galveston and Agnes Hurricane of 1900, CHANGE (B XB) Ways of making change for a dollar, REGULATOR (XB) calculates resistor values useing LM317 or LM337, PLOTTER plots two points on x-y axis, ROMAN/ARABIC (XB) converts Roman Numbers to Arabic & visa-versa, ASTRO (XB) converts miles/kilometers, miles/light years, miles/astronomical, degrees, etc, MULTIPLICATION (B XB) help children, 3D/CURVE (XB) plot and draw a 3-D curve, VOLTAGE (XB) find % regulation of either 3 amp alternator ot transformer, AREA (XB) figures the area and volume of geometric figures, 555 (XB) calculates operating paracaters of a 555 used as a multivibrator, BINOMIAL (XB) test on binocial distribution, POLYNOMIAL (XB) integate a polynomial, BORE (XB) calculates an orifice bore diameter, CATTESIAN (XB) plots arbitary function, 301A (B) design a circuit useing the 301A, CLOSED LOOP (B) compute the variables in circuit, DIGITAL (XB) simulates logic in software. (SSSD)366

5839 CAD MASTER From Brea users Group - This program has features that will appeal to Engineers, such as on screen scling/measurment, and multiple line drawing. (SSSD)121

LA99 HOME

6001 HOME #1 15 programs for the home maker by AMNION- BUY OR SELL HOME, CREDIT CARD MANAGER, HONEY DO LIST, MAILING LIST, DIET MANAGER, KITCHEN AID #1, KITCHEN AID #2, EATS, LOAN COMPILER, 7 DAY CLOCK, AUTOMOBILE COMPAIRSIONS, COOKIE FILE, THE FAMILY FOREST, HOME BUDGET MANAGER, HOME (SSSD)339

6002 HOME #2 15 programs for the home by AMNION- HEAT AUDIT, COOL AUDIT, INCOME AVERAGING, PAYCHECK MANAGER, BILL TRACKER, HEALTH TEST, NUTRITIONAL SCOREBOARD, FAMILY TREE II, ANCESTORIAL FILE, HOME CHECK PROCESSOR, GAS AND ELECTRIC USAGE, PERSONAL FILE, RECORD COLLECTION, TRAINING CHART, RECIPE (SSSD)357

6003 HOME #3 25 short programs for the home by AMNION- TV SCHEDULE, MESSAGES, HEATING, SAVING GAINS, CATALOG LIBRARY, FREEZER INVENTORY, WINE INVENTORY, PERPETUAL CALENDAR CLOCK, TRIPLE TIMER, ANNUAL BUDGET, HOUSEHOLD BUDGET AID, CHECKS BALANCE PRINTER, COOKIE FILE II, THE GROCERY LIST, BUDGET CONTROLLER, MENU PLANNER, ANTIFREEZE CONCENTRATION, MORTGAGE SPREADSHEET, HOME BUDGET SPREADSHEET, FURNITURE ARRANGER, DIET/RIGHT, FUEL COMPARATOR, SAVING ACCOUNT NUMBER, CHECKS SCANNER, DATE MINDER (SSSD)357

6004 HOME #4 16 more programs to use around the home by AMNION- MENU MAKER, HOME ACCOUNT MANAGER, EXPENSE TRACKER, PERSONAL DIRECTORY, AMORTIZATION, HOME BANKER, BURGLAR ALARM, HOME FINANCE, UTILITY BILL ANALYSIS, DAMPER MAINTENANCE, AUTO LOANS, POISON PREVENTION, HOUSEHOLD INVENTORY, CUT CALCULATOR, HOUSEHOLD ACCOUNTS, MASTER INDEX (SSSD)341

6005 HOME #5 13 programs for the homemaker by AMNION- LIST II, TAX ESTIMATOR, FINANCIAL CALCULATIONS, HOME BUDGET ANALYSIS, MAGAZINE FILE, BARTENDER, SOCIAL SECURITY, DAILY NUTRITION, INVESTMENT TRACKER, DECREES DAYS, PERSONAL PROPERTY RECORD FILE, MAILING LIST, I.R.A. (SSSD)347

6006 HOME #6 11 programs for the home by AMNION- BLACKJACK TUTOR, CREDIT UNION LOAN ACCOUNT, SELF EVALUTION, THE TAXKEEPER, IMPORTANT NUMBERS, CHECKBOOK ACCOUNTING TRANSACTIONS, LIST KEEPING III, SAVING AND LOANS ANALYSIS, QUILT PATCH, THE CLERK SYSTEM, WORD PROCESSING (SSSD)369

6007 HOME #7 12 programs to use around the home from LA99 Library - ADDRESS LETTER, CHECK PROCESSOR, FUZZY DECISIONS, GROCERY LIST, HOUSEHOLD BUDGET, INVESTMENT, LIBRARY BOOKS, PHONE BOOK, POWER GAS COSTS, RECORDS AND LISTS, TELEPHONE DIRECTORY, WORLD MAP (SSSD)329

6008 HOME #8 14 record keeping programs from AMNION about Football, Baseball, Basketball and Golf - GOLF HANDICAPPING, FOOTBALL RATING SYSTEM, BASKETBALL STATS, BASKETBALL STATS PART II, GOLF SCORE RECORDER, BASKETBALL STATISTICS, FOOTBALL STATISTICS, PCHER RATER, NFL STATISTICS, BASEBALL STATISTICS, NAIA BASKETBALL STSTS, GOLF SCORE ANALYSIS, FOOTBALL FORCAST, BASKETBALL STATISTICIAN. (SSSD)283

6009 NEW TESTAMENT Seven Disks of the NEW TESTAMENT ,JOHN, MARK, MATTHEW, ACTS, LUKE, PETER, ROMAN, HEBREW, PHIL, REV, ETC.7(DSSD)4396

6010 CALENDAR Over 10 different calendar programs any year or month- APPOINTMENT, DOCUMENT, BIG, SMALL, SMALLER, TINY, POSTER, PLANNING, MAKE YOUR OWN WITH REMARKS, print to screen or printer. 2(SSSD)448

6011 HOME #11 12 Records keeping programs from AMNION about your favorite sport - BOWLING TEAM RECORDS, BOWLER'S SECRETARY, SCOREKEEPER, SOCCER STATISTICS, JOGGER'S PACE CALCULATOR, HARNESS RACING AVERAGER, ARCHERY MANAGER, GYMNATICS TEAM SCORER, JIB SAIL. (SSSD)239

6012 HOME #12 11 Progras by Jerry Hough - STRANDED counsel to tape game, XMAS TREE music + graphics, JONAH ADD home work paper, CALENDAR documentation, data, printer for making your own calendar with comments, PRINTER fonts, margins, spacing, slashed zeros for the Genini-10X, SHOPPING LIST check the items you want to get at the supermarket. (SSSD)232

6013 ARTIFICIAL INTELLIGENT 4 kinds of artifical intelligent programs where the computer thinks for it self. DOCTOR, MINDREADER, DOGS, FETCH. (SSSD)210

6014 DIAL A WORD Improved by Chick DeMarti and Tom Freeman input your 7 digit telephone number and the computer will print the many words possible combinations. (SSSD)26

6015 HOME #15 12 Programs for around the HOME. Help keep track of your homebudget, checkbook, telephone numbers, credit cards expenses, list of your household items, and more. CHECK PROCESSOR, CHECK BOOK BALANCE, CREDIT CARD, CREDIT CARD MANAGER, PERSONAL FILE, HOUSEHOLD BUDGET, LIST #1, LIST #2, MAIL LIST, PHONE BOOK, RECORD & LIST, TELEPHONE DIRECTOR. (SSSD)358

6016 HOME #16 12 PROGRAMS TO HELP YOU AROUND THE HOME. BASEBALL magic number, BURGULAR use the TI to alarm the house, FURNITURE arrarangesents, DECISIONS help make Fuzzy decition. GROCERY keep list of what is on hand, ADDRESS print name street city state zip on letter envelope, LIBRARY locate books, MAIL LIST maintain and print list/label, MPG calulate MPG on your car, PHONE/GAS create graph of elec & gas input, VIDEO keeptrack of your VCR, WORLD enter 2 city location & distance between them are shown. (SSSD)386

6017 CHECK BOOK Freeware By John Taylor 3170 Estaline Dr. Florance, AL 25630 - X/B, 32K, Printer, Keep track of your checkbook and analyze your spending habits. (SSSD)357

6018 WEATHER Freeware by Gary Cox 3174 Melbourne, Meephis, TN 38127 - Forcast the weather by inputing the Wind, Tesperature, Clouds, etc, menu driven. results are printed.(SSSD)93

6019 GRAPH PAPER Freeware by Tom Wynee 16223 70th Pl. W.Edmondsn, WA 98020— X/B, Printer, Make professional graph paper squares from 1 to 30, Printer must be able to go into 960 dot graphics mode. (SSSD)23

6020 TAX 1984 Freeware by Mike Conway 911 Dover Dr.South Bend, IN 16614- M/E, TI MULTIPLAN module, printer - Uses Mulpiplan to compute your Federal Income Taxes. (SSSD)187

6021 FILM Freeware by John Armstrong 4801 W.First St. Space #99 Santa Ana, CA 92703 -X/B - Keep track of Film Library adds, change, deletes, search, display, print, list, make labels, Can also be used for others Library such as VCR. (SSSD)38

6022 CATALOG FILM Freeware by JOHN ARMSTRONG 4801 W.First St. Space #99 Santa Ana, CA 92703- Keeps track of your films adds, change, deletes, search, display, print, list and labels. (SSSD)38

6023 BEST OF SHP Freeware by Steve Patterson 2351 Ragan Woods, Toledo, OH 43614-X/B- 42 programs GAMES, DRAWINGS, UTILITIES, ETC. 2(SSSD)559

6024 MILES/GAL Freeware by FIMELINE SOFTWARE 3 Wendy Lane, Marlboro, NJ 07746- X/B,32K- Keep track of one or several cars on the MPG USED a Data Base progras.(SSSD)132

6025 GAMMA Freeware by Tony Robinson P.O.76799 Vancourver, B.C. Canada V5R 5S7 -X/B For RADIO HAMS specify the feed point for Antenna and Coax with math. (SSSD)188

6026 TAX MASTER 86 Freeware by Howard Arnold 215 Beach Valley Road Lewisville, NC 27023- X/B Preparing your tax return for 1985 for both Federal and State Tax return. Prints results directly on the goverment form. (SSSD)92

6027 ENVELOPE Freeware by Roger Wilson PSC Box 3475 Edward AFB, CA 93523 -X/B, PRINTER - Address your own envelope, Repeats the sender information on upper left, prints the receiver address on adjustable location on difference size envelope. (SSSD)54

6028 TAX 1986 Freeware by James Sleeth P.O.Box 20723 El Cajon, CA 92021- Uses Multiplan Module and TIMP disk to print on Federal and State Income Form (forms provided by author) your 1986 income. 2(SSSD)581

6029 INVOICE Freeware by David Belanger 1345 Arkard Dr. Reno, NV 89503- X/B Keep an Invoice of Charges and Credits with balance. program will print and save results on a spreadsheet type form. (SSSD)133

6030 ZODIAC Freeware John Bulokowski Vernon, CT -Wheel of Fortune -X/B - Find out what happen on your birthday 1930 - 1980 and when your next period of good fortune will happen. plus two other programs Modify TI-Writer data and modify cursor. (SSSD)387

6031 MENS COLOR COORDINATOR Freeware by Don West 122 Boulter Road Wethersfield, CT 06109- X/B - Color, Lets you coordinate your fashion, match or mix your jacket, vest, and tie. Prints out your selections. (SSSD) 58

6032 MITI-WARE Freeware by Milo Tsukroff 84 Ash St. Apt.32 Willimantic, CT 06226- X/B - 6 Programs to entertain you around the house. YARDCHORES: game take care of your yard, ORBIT: Input orbital data and watch the results. SHOPLIST: prints 5-col shopping list, can change list. TIBOMBER: Fly a WWII bomber. INT-DIF: Calculate intergrals,derivatives of polynomials. ATTHEBEACH: A seashore scene. RAIN: A rainy landscape scene. (SSSD)382

6033 MEETING Freeware by Jeff York. Fort's Users Group P.O.Box 11212 Fort Wayne, In 46856A visual aid for the President and members of a User Group. A step by step display of handing a meeting. SSSD (84)

6034 TOURIST/VCR Freeware by Bill Knecht 915 Yorkshire Pasadena, TX 77503 :Tourist Information Services is a program that gives the name, address and phone number of who to contact in any state including Washington D.C. to obtain info and brochures. Great for vacation planning. VCR Movies Guide ver2.0 aids in keeping of movies on video cassettes, prints title, rating, number, counter for up to 175 movies. (SSSD)197

6035 GENEOLOGY III version 2.1 Freeware by Walter Davies 17718 Orchard Lane Salinas, CA 93907 : Keep track of your ancestrals for 4 generation. Print a family group sheet, locate files with ease. (SSSD)284

6036 LOTTO Freeware by Phil Barnalyzer : A Lotto analyzer to help you keep track of your Lotto numbers. Keep track and plots graphs on winning numbers, bets, games etc. Prints results (SSSD)98

6037 TOTAL PROSPECT LIST Freeware by Leo DuBry 325 Go Center St. Longview, TX 75601 : A label printing program for a prospect list. List is stored on disk under a file name. Labels can search and printed by number, name, city, state, zip, or phone. (SSSD)188

6038 HOME PLAN Freeware by Bob Delpit 14634B South Budlong Ave. Gardena, CA 90247- X/B A spreadsheet program enter up to 20 rows and 13 colums of nugerical data, and to mathematically operate on this data in 6 different ways. save, prints. (SSSD)181

6039 CALENDAR PROGRAM /// Richard Bailey /// 68A Church St. Gonic,NH 03867. An excellent calender program. Will print a monthly appointment,yearly big,small,smaller,tiny on an Epson type printer,plus screen. SSSD (164)

6040 BIBLE From Michael D. Dimuro P.O. Box 423 Tujunga, CA 91042 . A complete print of the HOLY BIBLE king James version 20975 sectors. 15 disks DSDD = $25. 30 disks DSSD or SSSD flipies $50. 60 disks SSSD = $100. Because of the size of this program it will not be aviable at the club meeting. Copy of the program will be made upon request.

6041 BIBLE TRIVIA By Steven DeGeare 3217 Peery Kanas City, MO 64127 : Learn more about the Bible. A true and false quiz on the following: OLD TESTMENT, NEW TESTMENT, PROPHETOS/PROPHESY, QUOTES, BIBLE BOOKS. (SSSD)125

6042 PRK INVENTORY Use PRK Module Keep Inventory. Save and print. Load program "INIT" to start. (SSSD)194

6043 PRK MODULE By Newt Armstrong - useing the PRK Module in programming up to seven subprograms from TI basic. These are hidden capabilities of the PRK Module. To use PRKCONVERT, PRKWRITE, READPRK/ or SMPLPRKW/ files power up the PRK module access basic. Type call p(5000)enter, type call files(1) enter type NEW enter, load and run. With READPRK/ & SMPLPRKW/ type CALL L("DSK1.MAIL/LIST",C)before loading basic. (SSSD)167

6044 FILEMASTER Freeware : Create your own NAME list reports, address, city, state, zip, phone. program will Create, Change, Display, purge, save, load, print, sort, and catalog. (SSSD)49

6045 MULTIPLAN UPDATE Multiplan has been speeded up a little, plus you will now have auto-repeat when moving the cursor. (SSSD)149

6046 99/CALC Freeware by Phil Barnes 24631 Via San Fernado, Mission Viejo, CA 92692. Create spreadsheet using row and column titles,numerical values and formulas. Automatically recalates and displays answers. Can use disk or cassette. Many functions are performed. SSSD (133)

6047 CREATIVE FILING SYSTEM Freeware by Mark Beck 166 Delaware Circle Jacksonville, AR 72076. This is an excellent data-base manager system to create, search, add, change, delete, sort, etc. and his user group is using it as a fund-raiser, so be sure to send a monetary contribution, as well as a disk and reuseable mailer. SSSD (296)

6048 GENEALOGY TIW TI-HELPER Freeware by Jan Knapp 2318 Ruckert St.Louis Co., MO 63114 : To aid Genealogical research by useing TI-WRITER. Gives hints, tips and charts to work from. Customize your own groupsheets and save to disk. SSSD(231)

MUSIC

7001 MUSIC #1 BASIC, FROM SFV USER GROUP, AMERICAN THE BEAUTIFUL, MY DARLING CLEMENTINE, DECK THE HALL, DEMO #1, DOG GONE BOOGIE WOOGIE, FIDDLER ON THE ROOF, THE GODFATHER. THE ENTERTAINER, THE MUSIC MAKER, MASH TI ORGAN, REELING' AND ROCKIN', SILENT NIGHT, STAR TREK. (SSSD)333

7002 MUSIC #2 XBASIC,FROM SFV USER GROUP, PRAELUDIUM II, VARIATIONS ON A THEME, DANIEL, EAR TRAINING, SILENT NIGHT, SCHOOL DAYS, THE ENTERTAINER, VIENNA WOODS, AULD LANG, FIDDLE, AMAZING GRACE, MIDNIGHT IN A MADHOUSE. 2(SSSD)514

7003 MUSIC #3 XBASIC,FROM TIGER CUB, AMAZING GRACE, WE HAVE NO BANANAS, FOREVER BLOWING BUBBLES, BUT YOU KNOW I LOVE YOU, CARALINA MOON, COLUMBIA GEM OF THE OCEAN, GREENSLEEVER, HOME IN DREAMS, JUST THE WAY YOU ARE, HOUSE OF THE RAISING SUN, SHENANDOAH, SOLD, UNDERTHE DOUBLE EAGLE. (SSSD)347

7004 MUSIC #4 BASIC,BY KEN GILLAND, BROWN EYES, CLOSE TO YOU, DAISY, LOHENGRIN, MADHOUSE, MONKEY BUSINESS, PIPELAND, REELING AND ROCKING, SCHOOL DAYS, THIRTY DAYS. (SSSD)338

7005 MUSIC #5 XBASIC,BY SAM MORE JR.#1, BIG CAT BOOGIE, BOAT SONG, DOG GONE, KANGAROO, MAIN SCREEN, MAPLE LEAF, PUPPY TOWN, ROBOT BOOGIE, SNOW SCENE, SUNDAY DRIVE, VARIATIONS, VENUS, WESTERN BOOGIE. (SSSD)348

7006 MUSIC #6 XBASIC,BY SAM MOORE JR.#2, BUMBLE BOOGIE, GUITAR, MORNING, NOCTURNE, OPUS 23. OZ MEDLEY, RONDO. SEA BOTTOM, SENORITA, LOVE IS A SPLENDORED THING. (SSSD)351

7007 MUSIC #7 XBASIC,BY SAM MOORE JR.#3, A 5TH OF BEETHOVEN, BERCEUSE, AMAZING GRACE, JUST THE WAY YOU ARE, KILLING ME, BOGGIE DOGIE DOGIE, TIME IN A BOTTLE, WITH LOVE IN MY HEART, YESTETDAY, YOU LIGHT UP MY LIFE. (SSSD)345

7008 MUSIC #8 XBASIC,BY SAM MOORE JR.#4, ALBUM LEAF, BUGLE BOOGIE, SONATA IN C MAJOR, FOREST ROSES, IN THE MILL, MASH 4077, MOON LIGHT, OPUS DE SILENCIA, WITCHES DANCE. (SSSD)349

7009 MUSIC #9 XBASIC, BY "MR.C", A TASTE OF HONEY, MINUET IN G MAJOR, OLD BLACK JOE, THE LADIES OF CALCUTTA, 5 FOOT 2 EYES OF BLUE, MM DEMO. (SSSD)143

7010 MUSIC #10 XBASIC, BOAT SONG, MAIN SCREEN, ORGAN, PUPPY TOWN, ROBOT BOOGIE, VENUS LANDSCAPE, WESTERN BOOGIE. (SSSD)190

7011 MUSIC #11 XBASIC, BY BILL KNECHT , THE STAR SPANGLED BANNER, SINK THE BISMARK. BLUE DANUBE WALTZ. BUT YOU KNOW I LOVE YOU, CAN'T HELP FALLING IN LOVE, COOL WATER, COULD I HAVE THIS, DANCE, DOODLE-DEE-OOP-DEE DOO, FOOLTIES, G'SLULLABY, MANDY, DEMO, MAYER, SOUND OUT, SUNFLOWER, SLOW DRAG. (SSSD)349

7012 MUSIC #12 XBASIC,BEST SONGS BY BILL KNECHT #4975 - MR BOJANGLES, O CANADA, DON'T FALL IN LOVE WITH A DREAMER, WINGS OF A DOVE, ENDING. HOUSTON, LOOKING FOR LOVE, PEACE IN THE VALLEY, WEDDING SONG. (SSSD)354

7013 MUSIC #13 BEST HYMNS BY BILL KNECHT, ABIDE BY ME, BLESSED ASSURANCE, JESUS LOVE THE LITTLE CHILDREN, JUST A CLOSER WALK WITHY YOU, ETETNAL FATHER, BELIEVE, HOLY HOLT HOLY, JESUS SAVE, JUST AS I AM. THE LORD PRAYER, LOVE LIFTED ME, I NEED THEE EVERY HOUR, OLD TIME RELIGION, THE OLD RUGGED CROSS, ROCK OF AGES. (SSSD)337

7014 MUSIC #14 AXEL F, HARRIGAN, LOHENGRIN, TEXAS STSTE HYMN, TOCCATAIN D MINOR, VALENTINE DAYS SPECIAL. (SSSD)358

7015 MUSIC #15 NEW KID IN TOWN, GHOST BUSTERS, IF I FELL, MATILDA(SPEECH), CLOSE TO YOU(SPEECH). (SSSD)325

7016 MUSIC #16 FROM AMNION, AMERICA THE BEAUTIFUL, BACH, BACH #3 MINUET, BACH'S MINUET IN B FLAT, BEWITCHED, DEMO #1, GODFATHER, MUSICAL KEYS, M*A*S*H, RHYTHM, MUSICAL SCALES, THE STRING, STRAUSS, LET ME CALL YOU SWEETHEART. (SSSD)343

7017 MUSIC #17 FROM AMNION, BACH MINI CONCERT, THEME FROM DALLAS, MUSIC DEMO #2, MUSIC DEMO #3, FIDDLER ON THE ROOF, INTERVALE, NEVER ON SUNDAY, PLAYER PIANO, SONG, THE SWEETHEART TREE. (SSSD)347

7018 MUSIC #18 FROM AMNION, 12 DAYS OF CHRISTMAS, ALLEY CAT, DUET SPAGHOLETTO, FOREST ROSES, INCREDIBLE HULK, INVENTION IN F, INVENTION BACH, I'M LOOKING THROUSH YOU, MICHAEL'S THEME, MUSIC BOX DANCERS, ORGAN, PENNY LANE, SONATA IN C MAJOR, STAR TREK, CHRISTMAS. (SSSD)359

7019 MUSIC #19 FROM AMNION, ALBUM LEAF, BERCEUSE, BUGLE BOOGIE, DOG GONE BOOGIE WOOGIE, RAINBOW CONNECTION, FOREST ROSES, SWINGING SHEPHERD BLUES, GIVE A LITTLE WHISTLE. (SSSD)327

7020 MUSIC #20 FROM AMNION, HARK THE HERALD ANGELS, BEETHOVER'S 5TH, AMAZING GRACE, GUITAR, WITH LOVE IN MY HEART, KILLING ME SOFTLY, IN THE,MILL, MOONLIGHT, YOU LIGHT UP MY LIFE, TIME IN A BOTTLE, WITCHES DANCE. (SSSD)334

7021 MUSIC #21 FROM AMNION, BEETHOVEN'S 9TH SYMPHONY, BUMBLE BOOGIE, BOOGIE OOGIE OOGIE, BUNNY MUSIC, COLOR, GUITAR TUNER, SOUND GENERATOR, STAIRWAY TO HEVEN, MORNING, MUSIC MAKER, MUSIC TERM QUIZ, OP 23, PRELUDE, INSTRUMENT TUNER, WALTZ BY CARULLI. (SSSD)332

7022 MUSIC #22 FROM AMNION, THREE KINGS, AMERICAN, ANCHORS AWAY, HAPPY BIRTHDAY, THE MUSIC CREATOR, O COME ALL YE FAITHFUL, GUANTANAMERA, FUGUE BY HANDEL, A HUNTING WE WILL GO, FRERE JACQUES, OLD MAC DONALD, PLAY TYPE, BACH RECITAL, ROCK AROUND THE CLOCK, SYRINX, YELLOW ROSE OF TEXAS, POP GOES THE WEASEL, YANKEE DOODLE DANDY, ZITHER. (SSSD)259

7023 MUSIC #23 FROM AMNION, JINGLE BELLS, A HUNTING WE GO, JOY TO THE WORLD, THE POPCORN MAN, MINIRACH CONCERT, ZIGGY'CHRISTMAS, MY HUNGERY HEART, PRELUDE IN G MINOR, POLONAISE IN G MINOR, ACROSS THE FIELD, VIOLA CONCERTO IN G, VIOLIN TUNER, COLOR BARS, MUSIC WORKSHET, VIBRATO ORGAN, SCALES. (SSSD)351

7024 MUSIC #24 FROM AMNION, THE COVENTRY CAROL, RED RIVER VALLEY, TWINKLE TWINKLE LITTLE STAR, ADESTE FIDE LES, 12 DAYS OF CHRISTMAS, SOUND EFFECT, MY OLD KENTUCKY HOME, THE CHRISTMAS CAROL, COMPUTER CHRISTMAS CARD, HAS ANYBODY SEEN MY GAL, SARABYANDE BY HANDEL, THE INCREIBLE HULK, THE PIANO COMPOSER, ROE ROW ROW YOUR BOAT, TXU SONG, THE HIGHY AND THE MIGHTY. (SSSD)355

7025 MUSIC #25 FROM AMNION, CHURCH CONCERT, JAM SESSION, BEATLES COLLECTION, THE ENTERTAINER, GREENSLEEVES, HILL STREET BLUES THEME, MUSIC-KEYS, PUFF THE MAGIC DRAEON, FROSTY THE SNOWMAN, TWO NOTE MELODY, CONSTANTE, COUNTRY DANCE, SILVER AND GOLD, SONGS OF TEXAS, BANJOS, HOME IN DREAM. (SSSD)356

7026 MUSIC #26 FROM AMNION, KOJO NO TSUKI, NADIA'S DREAM, AMERICA II, HEART, MOZART, IOWA FIGHT SONG, WHAT A FRIEND IN JESUS, MOZART-RONDO A LA TURCA, FROGGY MOUNTAIN BREAKDOWN, SATIE-GYMNOPEDIE #3, SCARLATTI-SONATA, CLOSE ENCOUNTERS, HAVE A HOLLY JOLLY CHRISTMAS, HORNPIPE BY PURCELL. (SSSD)345

7027 MUSIC #27 FROM AMNION, RUDOLPH II, 59 STREET BRIDGE, RINGO'S THEME, BACH TOCCATA FUGUE, TAKE FIVE, ADELITA de TARREGA, LAGRIMA, ROMANCE DE CASTILLA, TRANSPOSITION TABLES, LITTLE DRUMMER BOY, HELLO/GOODBYE, HEY JUDE, YOU'VE GOT TO HIDE YOUR LOVE, LET IT BE, SLEIGH RIDE, LET IT SNOW, KING WILLIAM'S MARCH. (SSSD)351

7028 MUSIC #28 FROM AMNION, ROCKY ROBOT'S BOOGIE, ROCKING' AROUND THE CHRISTMAS TREE, THE CHRISTMAS SONG, COMPUTORGAN, VENETIAN BOAT SONG, TI ORGAN, PUPPYTOWN, VENUS NIGHT RIDE, WESTERN BOOGIE, DOUBLE EAGLE RAG, IWOA STATE SONG, WENN ICH EIN VOEGLEIN WAER, OB-LA-DI OB-LA-DA. (SSSD)349

7029 MUSIC #29 FROM AMNION. 18 CENTURY DRAWING ROOM, FAME, COLOR ORGAN, WHAT I DID FOR LOVE, PROGRAMMABLE METRONOME, SOLFEGGIETTO, I'M FALLING IN LOVE WITH YOU, PEACE IN THE VALLEY, HOUSE OF THE RISING SUN, A HARD DAY NIGHT, DEEP PURPLE, JESUS LOVE ME, IVORY PLACES, STARDUST, BE STILL MY SOUL, IT IS WELL WITH MY SOUL. (SSSD)336

7030 MUSIC #30 FROM AMNION, MERRY CHRISTMAS, HEY PAULA, CHORAL, FEELS SO GOOD, I HAVE DECIDED TO FOLLOW JESUS, HALLELUJAH, PATRIOTIC MEDLEY, NETHERLANDS, FIDDLE ON THE ROOF MEDLEY (calls files), HAYDN'S SONATA #2, VARIATIONS ON A THEME, THE MASTERPIECE, ONE IN A MILLION, NADIA'S THEME. (SSSD)348

7031 MUSIC #31 FROM AMNION, MIDNIGHT COWBOY, SINGING VOICE SCALES, INAVENTION IN F, PRELUDE #1 IN C, YES WE HAVE NO BANANAS, I SAW THREE SHIPS ON CHRISTMAS DAY, EXCELSIS DEO GLORIA, LITTLE TOWN OF BETHLEHEM, DECK THE HALLS, THE FIRST NOEL, GOD REST YE MERRY GENTLEMEN, HARK' THE HERALD ANGELS, HOLY NIGHT, JINGLE BELLS, JOY TO THE WORLD, AWAY IN A MANGER, IT CAME UPON A MIDNIGHT, O COME ALL YE FAITHFUL. (SSSD)333

7032 MUSIC #32 XBASIC, BY JET, SILENT NIGHT I, O TANNENBAUM, SILENCE NIGHT II, ARE YOU LONESOME TONIGHT, COLOR SPIRTES, BATTLE HYMN OF THE REPUBLICS, BROWN EYES #2, I'M FOREVER BLOWING BUBBLES. (SSSD)316

7033 MUSIC #33 FREEWARE BY ROMAN MAJER Heidelberg STR111 D7100 HEILBRONN West Germany - A/E AMORADA, IN THE MOOD, FLOHWALZER, CHARLESTON (SSSD)171

7034 MUSIC #34 DIGITAL MUSIC BY STEPHEN D PEACOCK -4 PARTS PLAYS SONGS, COMPOSES A NEW SONG, ADD TO THE WORK FILE AND PRINTS NUMBERS ON STAFF, THE FOLLOWING SONGS ARE ON ON DISK AND PLAYED ON A PIANO, AFTOR, BACK3, BICYCLE, HERO, HYMN1, JOY, MARCH, TAVERN, THANK. (SSSD)396

7035 MUSIC #35 HOLIDAY- 20 PROGRAMS, XMAS, VALENTINE, 4/JULY, HOLLOWEEN, BIRTHDAY, PARTY, ETC, BASIC AND X/B, PRINTER. (SSSD)289

7036 MUSIC #36 BY BILL KNECHT MUSIC AND GRAPHIC OF THE SPACE SHUTTLE TAKING OFF FLYING AND LANDING, X/B, E/A, 32K, COLOR. (SSSD)314

7037 MUSIC #37 DIGITAL MUSIC BY STEPHEN D PEACOCK. PLAYS COMPOSE TEST SAVE MUSICAL SONGS. ASTON, BACH, BICYCLE, MARCH, HERO, HYMN, JOY, TAVERN, THANK - PLAY OR COMPOSE YOUR OWN MUSIC. (SSSD)396

7038 MUSIC #38 Three great music programs- #1 JULY 4th Music and words with good graphic. #2 BUSY FINGERS amazing job of music writing. #3 TOCCATA plays Bachs and other with a nice X/B loader. (SSSD)329

7039 MUSIC #39 Music you can get involved with. Set own tempo, learn notes, pitch, durations, play by using joystick or keyboards, write, clef scales. BACH, MERGE, CALL SOUND, JOYSTICK MUSIC, DEMO, EAR DRILL, MUSIC MAKER, NAME THAT NOTE, PLAY SOLO, TI-ORGAN, ETC. (SSSD)255

7040 WAGNER Freeware by Ken Gilliland 543 Riverdale Dr. #15 Glendale, CA 91204 - X/B - 4 Wagner's hits, SIEGFRIEDS FUNERAL MUSIC, PRELUDE TO LOHENGRIN, TRISTAN AND ISOLDA, TRAFT ihi das, SCHIFUF in seere an, (DSSD)689

7041 STAR TREK Freeware by Ken Gilliland 543 Riverdale Dr. #15 Glendale, CA 91204 - X/B - 4 Star Trek musics, STAR TREK I, STAR TREK II, STAR TREK III, movie picture and the theme of STAR TREK TV series. (SSSD)358

7042 SOUTH PACIFIC Freeware by Ken Gilliland. 543 Riverdale Dr. #15 Glendale, CA 91204-Sing-a-long program from the hit musical. BALI H'AI, SOME ENCHANTED EVENING, YOUNGER THAN SPRINGTIME. Utilizes text-to-speech for realistic speech effects and includes extensive use of innovative graphics. A real treat for everyone! TI-Controller, X/B, Speech Synthesizer. Written by a master programmer and professional artist! (SSSD)337.

7043 PATSY CLINE Freeware by Ken Gilliland 543 Riverdale Dr. #15 Glendale, CA 91204-Sing-a-long program from the hit musical. I FALL TO PIECES, CRAZY, ROSE OF SAN ANTONE, SWEET DREAM. Utilizes text-to-speech for realistic speech effects and includes extensive use of innovative graphics. A real treat for everyone! TI-Controller, X/B, Speech Synthesizer. Written by a master programmer and professional artist! (SSSD) 348.

7944 MUSIC MAN Freeware by Ken Gilliland 543 Riverdale Dr. #15 Glendale, CA 91234-Sing-a-long programs from the hit musical. GOODNIGHT MY SOMEONE, GARY INDIANA, TILL THERE WAS YOU. Utilizes text-to-speech for realistic speech effects and includes extensive use of innovative graphics. A real treat for everyone! TI-Controller, X/B, Speech Synthesizer. Written by a master programmer and professional artist! (SSSD)318.

7945 WIZARD OF OZ Freeware by Ken Gilliland 543 Riverdale Dr. Glendale, CA 91234-Sing-a-long programs from the hit musical. OVER THE RAINBOW, OFF TO SEE THE WIZARD, IF I ONLY HAD A BRAIN. Utilizes text-to-speech for realistic speech effects and includes extensive use of innovative graphics. A real treat for everyone! TI-Controller, X/B, Speech,Synthesier. Written by a master programmer and professional artist! (SSSD)335.

7946 MUSIC PREPROCESSOR V1.2 Freeware by Nora Sellers 15 Dorset Drive Brocmall, PA 19008 : Allows you to simply and quickly code up music. You may code, run, change, rerun and play the soung countless different ways (change keys,coard, minors, etc. has seversl songs prerecorded. 2(SSSD)616

7947 MILITARY MUSIC (X/B) Auto load 5 songs from the Army, Navy, Marines, & Air Force- Graphic, Color- (SSSD)146

7948 MUSIC #40 From Chick DeMarti 15 musicial programs YES WE HAVE NO BANANA, BEATLES PLAYER PIANO, BEETHOVEN MEDLEY, MUSICAL SCALES, MUSIC ASSEMBLER, MUSIC DURATION TRANSLATOR, MUSIC MAGIC, PINK PANTHER, SANTA CLAUS, SHEPPARD BLUES, THE STING, (SSSD)360

7949 MUSIC #41 From Houston Users Group Most songs has graphics with them and are well written.-CAN'T HELP LOVING YOU, COOL WATER, WINGS OF A DOVE, STAR WAR, GODFATHER SONG, SONG CALLED GREEN, HALLELUJAH, HOUSTON, JUST AS I AM, LOOKING FOR LOVE, MANDY, THE LORD'S PRAYER, WEDDING SONG, CHURCH IN THE WILDWOOD. (SSSD)303

7950 CHRISTMAS MUSIC BY James Rush Auto runs 19 Christmas songs no graphic. RUDOLPH, SILENT NIGHT, WE WISH YOU A MERRY CHRISTMAS, JINGLE BELLS, FROSTY THE SNOWMAN, THE FIRST NOEL, HARDROCK COCO AND JOE, JINGLE BELL ROCK, DECK THE HALLS, JOY TO THE WORLD, WHEN SANTA CLAUSE GETS YOUR LETTER, JOLLY OLD SAINT NICHOLAS, O CHRISTMAD TREE, HARK! THE HERALD, ANGELS SING, UPON THE HOUSE TOP, WINTER WONDERLAND, THE TWELVE DAYS OF CHRISTMAS, LET IT SNOW. SSSD(245

7951 CHRISTMAS SONGS Freeware by Bill W. Knecht 815 Yorkshire Pasadena, TX 77503 14 excellent songs with GRAPHIC AND docs on how each was done. ANGELS WE HAVE HEARD, LIT IT SNOW, CAROLINE,CAROLINE, DECKS THE HALLS, O COME ALL YE FAITHFUL, SANTA CLAUSE IS COMMING, GOOD KING WENCESLAS, WE WISH YOU A MERRY CHRISTMAS, JINGLE BELL ROCK, O HOLY NIGHT, LITTLE DRUMMER BOY, O CHRISTMAS TREE, SLEIGH RIDE SSSD(345)

7952 MUSIC #42 PD/MUSIC/A From S.M.A.U.G/99. Runs 10 songs WITH GRAPHIC 25 minutes BEETHOVER AND PLAYER PIANO, CONCERTO #3, FANTASY, FLIGHT OF BUMBLEBEE BOOGIE, HOUSTON, HOW MUCH I DOGGIE CALLIOPE, MOONLIGHT SONATA, SHENDOAH, TIE A YELLOW RIBBON, TIME IN A BOTTLE. SSSD(352.

7953 MUSIC #43 PD/MUSIC/B From S.M.A.U.G/99 Runs 9 song with graphic 25 minutes :THE CANDY MAN, HER'S BACH, MORNING HAS BROKEN, MUSIC BOX DANCER, RAINDROPS KEEP FALLING, SWINGIN' SHEPHERD BLUES, TOCCATA, TRISTAN AND ISLODA INTRO, WEIRD MUSIC. SSSD(351)

7954 MUSIC #44 PD/MUSIC/C From S.M.A.U.G/99 runs 10 songs with graphic 25 minutes: BACK JESU JOY, BERCEURE, BORN FREE, CHAPIN OPUS 10 #3, THE GODFATHER, THE RAINBOW CONNECTION, SIEBRIEDA FUNERAL MARCH, STRAUSS #1, YESTERDAY, YOU LIGHT UP MY LIFE. SSSD(355)

7955 MUSIC #45 PD/MUSIC/D From S.M.A.U.G/99 runs 11 songs with graphic 27 minutes: ALLEY CAT #1, FLIGHT OF THE BUMBLEBEE, GUITARS, HOME IN DREAMS, HOT LUNCH JAM, KING COTTON MARCH, MAGIC SQUARE MUSIC, O'TANNENBOLEN. PETER GUNN, SNOOPY CHRISTMAS, STARS AND STRIPS FOREVER. SSSD(357)

7956 MUSIC #46 PD/MUSIC/E From S.M.A.U.G/99 runs 10 songs with graphic 39 minutes: ALLEY CAT #2, GREENSLEEVES, HOUSE OF THE RISING SUN, KOJO NO TSAKI, SEEING NELLIE HOME, WHEN THE SAINTS GO MARCHING, SAMARKAND, SPACE ADVENTURE, SWEET AND LOW, WILDWOOD FLOWER. SSSD(359)

7957 MUSIC #47 JP/OH/MUS From S.M.A.U.G/99 runs 13 songs with graphic 35 minutes: ALLEY CAT II, FLIGHT OF THE BUMBLEHOOD, GREENSLEEVE, HOME OF DREAMS, HOUSE OF THE RISING SUN, CASTLE RUINS, MUSIC BOX DANCER, PETER GUNN, SEEING NELLIE HOME, SAMARKAND, SHENANDOAH, WILDWOOD FLOWER. SSSD(313)

DRAWING-GRAPHIC-PICTURE

8000 DRAWING #0 RLE #0 MAX/RLE AND DOC. REQUIRED PROGRAM FOR VIEWING AND PRINTING ALL RLE PICTURES, REQUIRES 32K AND EDITOR ASSEMBLER MODULE, LOAD #3 DSK1.MAX/RLE -ENTER- PROGRAM NAME IS START-ENTER-. AFTER PROGRAM COME UP FOLLOW DIRECTION ON SCREEN. (SSSD)311

8001 RLE #1 1ST_EVA, 1WBUGS, 3_STOOGES, 3DVIEW, ABCNEWS, ALIEN-W, AMOXON, AVA, ANCHOR, AIFURD. (SSSD)355

8002 RLE #2 B-CROSBY, B-LUGUSI, BABY#1, BABY#2, BABY#2, BABY#7, BANANA, BARNEY. (SSSD)352

8003 RLE #3 BAMBI, BASKET, BATMAN, BATTLE, BEATLES, BEDROOM1, WOMAN, ZEM639. (SSSD)352

8004 RLE #4 BEDROOM2, BELKER, BEN, BILL_HERR, BIRDSFISH, BISSET, BLOOM, BLOOM/MILO, BLOOM/OLI, BLOOM/OPSI, O-JAY. (SSSD)358

8005 RLE #5 BLOOM/OPS2, BOSART-H, BREETA, BRINKLEY-C, BROADWAL, BUNNY, CARRIB, VASQUEZ-R, (SSSD)358

8006 RLE #6 BULLDOG, C-EASTWOOD, CARTUN, CASEY, CATS, CAVEGL, CBPIX1, SANTA, WEATHER. (SSSD)356

8007 RLE #7 CBPIX2, CBPIX3, CELTIC, CHAIR, CHALNGER, CHEKOV, CHESSMEN, CHIPMUNK. (SSSD)347

8008 RLE #8 CHRISTA, CHRISTI, CHRIS, CINDI, CITY, CLOWNS, COKE, COMPUTER, CONSOLE, CONSOL, CORVET, CURVE. (SSSD)358.

8009 RLE #9 DAVEK, DAUGERFD-R, DAUGHERTY, DEAN_J, DEATHEAD, DEHSUVE, DISNEY1, DISNEYLOGO, VAMPI. (SSSD)360

8010 RLE #10 DOG, DON/DUCK, DOUGLAS-K, DOUGLAS-M, DR-WHO, DRAGON, DRAGON#2, DRAGON1, DRAK, E-FLYNN, R-PRESLEY. (SSSD)360

8011 RLE #11 DRESSER, DROP, DUCK, DUNE, EAGLE, EANOME. (SSSD)348

8012 RLE #12 EASEL, EERERT, EINSTEIN-A, EIREPARK, ELVIRA, ENTERPOOP, ENTERPTISE. (SSSD)337

0013 RLE #13 ENTERP, EVILFACE, FAIRLY1, FAIRLY2, FAIRLY3, FAIRLY4, FAIRLY5. (SSSD)351

0014 RLE #14 FBI1, FBI2, FBI3, FBI4, FBI5, FBI6, FBI7, FBI8, FERRI, FISH. (SSSD)335
GERSHEP, GETSOLYMAX. (SSSD)345

0017 RLE #17 (X-RATED DISK) FLUFFY, GIRLB, GIRLS1, GIRLS2, GILRS3, GIRLS4, GIRLS5, GIRLS6. MURPHY. NUDE3, NUDM4, NUDES, NUDE. (SSSD)354

0018 RLE #18 GLOVAL, GODZILLA, GOOFY, GREEKRUINS, HANDSDRAW, HENRY-K, HILLSTR01, HILLSTR02, HORSEEK, HOUSE, HOWDY, SCREWERY (SSSD)356

0019 RLE #19 HUNTER, I-SPY, INDIAN, J-HAWSFLD, JENNA, JOYLEAF, KADAFY, KALIGP, KARATE. (SSSD)338

0020 RLE #20 KENT-C, KHAN!, KING&ALICE, KOJO, L&H, L-HENDY, LAUNCH, LEDZEP, WALL, WARGIRL2, WEEKND. (SSSD)356

0021 RLE #21 LADIES, LEM, LINDA, LINDA1, LUAU, LYBOIDS, MAC, MADCOWA, MAMMOTH, MARLEN, W-DISNEY. (SSSD)352

0022 RLE #22 MATHART, MCAULIF, MCCOY, MERCURY, MERLIN, MEW, MICKEY, MICKEY2, MIDDLE. (SSSD)349

0023 RLE #23 MILO, MIMI-4, MINNAYDOLL, MMU, MOONWALK, MORGAN, MOUSE, MOUSE1, WASHINGTN-6. (SSSD)356

0024 RLE #24 MUSIC, NASAMAP, NATALIE, NEEDLE, NELMAN-HE, NEWMAN, NICHOL, NINJATURTL, OCEAN, SPY. (SSSD)350

0025 RLE #25 OLIVER, ONI-MASK, OPUS, OPUS2, ORGUSS, ORGINAL, OUI/COVER, PAGODA, PAM, PELICIAN, PENGUIN, PLAYBOY, WEATHMAP. (SSSD)358

0026 RLE #26 POPCHASER, PORCUDINE, PYRAMID, QUAIL, R-MAN, R-REAGAN, R/HORROR, RADIOTEL. (SSSD)339

0027 RLE #27 RAILINS, RALPH, RICK&LINDA, RICK1, RICK2, ROBORANDI, ROBOTECH#4. (SSSD)357

0028 RLE #28 ROBOTCH#5, ROCKETS, ROCOT, RODNEY, ROY, RUINS, SAILBOARD, SALLY, SAM-EAGLE, SARAH-F. (SSSD)358

0029 RLE #29 SANBEAM1, SATURN, SCOTT, SCROD6, SDF1, SEER, SELLEVK, SHEKKS, UWATER, UZI. (SSSD)337

0030 RLE #30 SHEPARD, SHIELDS-B, SHOW, SHREDDER, SNOOPY1, SNOPY2, SNOOWL. (SSSD)337

0031 RLE #31 SHUTTLE1, SHUTTLE2, SHUTTLE3, SHUTTLE4, SKYLAB, SPACE2, SPACEARM, SPACETEL, SPACEWALK. (SSSD)333

0032 RLE #32 SPCSTATION, SPCWLK, STAR1, STAR2, STAR3, STAR4, STARTREK05, STARWAR02, UHURA, WOOKIE. (SSSD)294

0033 RLE #33 SPRING, STALONE, STAR10X, STEVENICKS, STREET, STRIPE, WENDY-O, WALES. (SSSD)347

0034 RLE #34 (X RATED DISK) SCOUBS, SUMMIT, SUSAN, VENUPIC, WINDOW. (SSSD)212

0035 RLE #35 SUN, SWASH, SWDFIGHT, TAYLOR-E, TEMPLE-S, THEKING, TIGER1, TIGER2, TIGER3, TINA. (SSSD)357

0036 RLE #36 TKZ, TMNT, TMNT2, TWOONARM, UGLYALIEN, UNCLEBUNNY, USEMAP. (SSSD)349

0037 RLE #37 VAMPIRE1, VAMPIRE2, VF1A-SHIP, VIPER, WOODLAND. (SSSD)272

0038 LOGO #1 FROM "YOUNG PEOPLE LOGO" 3RD, AIRPLANE, EVAN, MIA, MIDSCH, SHOW, 1ST, 2ND, ALPHABET, BALLOON, INSTRUCT, LSPREAD, MARS, MATHQUIZ, MISSCAN, MISSCAN1, PL, REM, REMARKS, START. (SSSD)355

0039 LOGO #2 FROM "YOUNG PEOPLE LOGO" BOMBS, CONVOY, DALLAS, FISHBOWL, GROUP1, GROUP2, GROUP3, GROUP4, HORSE, KICK, PRACTICE, PRESCOOL, SOL, START, TS, W, CATALOG. (SSSD)339

0040 LOGO #3 FROM "YOUNG PEOPLE LOGO" CABLE, COLUMBIA, DALLAS, DYNATURT, FLYAWAY, LANDING, ORBIT, RACE1, RACE2, SEPARATE, SKATER, STORM, VDAY, DRAW, FLAKES, LSPREAD, START. (SSSD)347

0041 LOGO #4 FROM "YOUNG PEOPLE LOGO" ACTION, AMCUP, BALL,BIRD, COLORON, DRAGON, ESPANOL2, KITT, LOGOBOAT, MUFERD, SHAMROCK, SHUTTLE, AMAZING, CIRCLES, DRAGON, ELLIPSE, FACE, HANOI, MISSCAN, MISSCAN1, SHAPES, SPELLING, SPORTCAR, START, TALK. (SSSD)356

0042 LOGO #5 FROM "YOUNG PEOPLE LOGO" BLOCKS, CHOMP, COLLIDE, DANCE, FISHING, MONTANA, SHOW, XCATALOG, BEARS, BABYTOY, BALLON, CS, CABIN, CHRISTMA, CIRCLES1, CONE, CURVES, DONUT, ERY, GALACTIC, GEARS, HILLS, LOVE, SENTENSE. .JSSD)354

0043 LOGO #6 FROM "YOUNG PEOPLE LOGO" APOLLO, APOLLO22, FROSO, HANOI, ROOSTER, CATHOLDER3, COMPRESS, DISKLIST, DSKSORT, MERGE, ENGLISH-FRENCH, INSTANT, ISD-DEMO, LOGOFILE, MATHQUIZ, SINSKENT, START, SUBURBS, TRAIN, TRTDEMO1, XLOGO, RAMSORT, SEGMENTER, SHRINK. (SSSD)346

0044 LOGO #7 FROM "YOUNG PEOPLE LOGO" COPYRGHT, DESIGN, NOTHING, QUIT, USA_FLAG, DOCTOR, ENTRE, LIST, MEMBER?, PICK, PICKRND, QUIT, RAND, SUBST, SHRINK. (SSSD)123

0045 LOGO #8 FROM "YOUNG PEOPLE LOGO" ALL, BASKET, BATTING, BRUCELEE, GALLERY, PLANE, SHOW, SKATING, SOCCER, BALLOON, BEAT, BIKE, CABIN, CANDLES, CROSS, GALACTIC, HELLO, JET, MY, PICKUP, QUIZ, SCROSS, START. (SSSD)310

0046 PRINT ART #1 10 DRAWINGS, CALENDAR, ANDY/CAPP, CBROWN/CALENDAR, DAVID, DAWN, FLYING ACE, HOLLHOBBIE, HIRK, LINUS. (SSSD)347

0047 PRINT ART #2 12 DRAWINGS MICKEY MOUSE, PAC MAN, PHANTOM JET, PINKPANTHER, PLUTO, RETURN OF THE PINK PANTHER, SCHRODER, SNOOPY/BLAH, SPOCK, TWEETIE, VALENTINE, WARM PUPPY. (SSSD)343

0048 PRINT ART #3 POSTER SIZE PICTURES GIRLIE TYPE X-RATED. (SSSD)341

0049 PRINT ART #4 POSTER SIZE PICTURES- TREKIE ENTERPRISE, KIRK, SPOCK, STARTREK, ETC, (SSSD)139

0050 BANNERS #1 Y/B, PRINTER- 3 EXCeLLENT BANNERS PROGRAMS. SELECT HEIGHT WIDTH CHARACTERS STYLE, ETC. (SSSD)76

0051 LARGE SIX FOOT BANNER "SEASON GREETING" AND MERRY XMAS WITH PICTURE OF SANTA. 2(SSSD)561

0052 GRAPHIC #1 FROM ENGLAND 9 PROGRAMS WITH SPIRTS. (SSSD)283

0053 GRAPHIC #2 FROM GERMANY HIGH RESOLUTION BY APESOFT- MANY GRAPHIC DEMOSTRATIIONS OF WHAT THE TI99/4A CAN DO. (SSSD)129

8854 "JGH103" From Stephen Shaw :Disk full of various geocentric Shapes and forms. Pictures can also be drawen in hi-res pictures in bit-map code. Both can be saved or printed. The files names can also be loaded into TI ARTIST or MAX/RLE by adding "P" to the file name. (SSSD)297

8855 FRACTAL EXPLORER V2.00 Freeware by Steve Langguth 2965 South Barnes Springfield, MO 65804- E/A #3 DSKx.FRACTAL- Creates multicolor fractal (unusal designs) images. 2(SSSD)471

8856 SUPER BETTER BANNERS V2.7 Freeware (donorware) by B Falkin & J Asenas 326 Glen Way Fillmore, CA 93015 : A banner program that can work with all TI compatible printer. Fonts are loaded from disk so you can creat your own character sets. You can also create your own graphic 8X8. 16 predefined graphic are also on disk. 2(SSSD)372

8857 INSTANCES Freeware by Howard Unan 3913 Sybil Rd. Randallstown, MD 21133 : 57 Artist Instances APPLE BASEBALL BIPLANE BIRD BRUSH CANNON CAR CASSETTE CHAMPAGN CLOCK COKE COMB COPTER CROSS DISK DRUM FLAG FORK FROG GLOBE HELMET HORSE HOUSE INSRAN IRON JET KNIFE LIGHT MINI99 NOTEPAD KNIFE PAW PIN RIBBON SAILBOAT SHIP SHUTTLE SIGNAL SMILE SNOOPY SPOON STAR STERO STOP SWITCH TANK TAPE TARGET TELESCOPE TENNIS TRUCK TRUMPET TV UFO VISA (SSSD)345

8858 INSTANCES #1 From Henry Hein 25 pictures for TI Artist in DIS/VAR 80 format. APPLE BIRTHDAY BIRTH BUBBLY BUNNY BUTRFLY CANDLE CAT CLOCK COMPUTER CUPASAUC CUPID DOG DOVE DRUM FLOPDISH GRADUATE HEART HOUSE ICECREAM JACKOLAN LITEBULB MENORAH MONERBAG NOTES (SSSD)359

8859 INSTANCES #2 From Henry Hein 25 pictures for TI Artist in DIS/VAR 80 format. OLDCAR OLDTRAIN PATTERNA PATTERNB PENPAPER PIANO PIG PRESENT QUESTION ROBOT ROCKET ROSE SAILBOAT SCALES SKULL SPACE SUN TEDDY TOPHAT TRUMPET TURTLE WEDBELLS WREATH XMASTREE YINGYANG (SSSD)355

8860 INSTANCES #3 From Henry Hein 23 pictures for TI Artist in DIS/VAR 80 format. ABE BABY BAND BEACH BINGO BOOTS BOWL CAMP CASHBOX CHEM CHIP CHOPPER CITY CREST DEREST DOCTOR DOLLAR DRAFT FOOTBALL GEORGE GET_WELL GOLF GUITAR (SSSD)345

8861 INSTANCES #4 From Henry Hein 24 pictures for TI Artist in DIS/VAR 80 format. INSTANTS JET KEYBOARD KING LIBERTY MAP MICRPHON MICSCPE MORSE MOVIE NEWS NURSE PHAROH PLANE RACER SCORE SHERLOCK SHIP2 SHIP SIESTA SKI STAMP TRAIN WISH (SSSD)351

8862 INSTANCES #5 From Henry Hein 22 pictures for TI Artist in DIS/VAR 80 format. CHESS CHISEL CLOWN COOKING CRAFT ELECTRAIN ENGINEER GAS GLEAN1 GLEANINGS IO3 JUKEBOX KNIT MASON MECHANIC PAINT PATTERNC PATTERND PATTERNE PATTERNF PATTERNG PATTERNH (SSSD)349

8863 INSTANCES #6 From Henry Hein 14 pictures for TI Artist in DIS/VAR 80 format. PATTERNI PATTERNJ PENGUIN PLUMBER POT SEW SPOON TOOLS TRACTOR TURKEY WASH WELDER WOODWORK WORLD (SSSD)293

8864 GRAPHIC #1 From Asmion 14 Graphic and Demos programs in Basic or Extended Basic. BASIC DEMO, CHRISTMAS, USA FLAG, HAUNTED HOUSE, KALEIDOSCOPE, JOB COST, SNOOPY, SEAHORSE, PINK PANTHER, SHIP, SNOOPY CHRISTMAS, VALENTINE, FISHING, ITT SAYS, (SSSD)357

8865 GRAPHIC #2 From Asmion 18 Graphic and Demos program in Basic or Extended Basic. STARS, LOVE, MAZE, SINE WAVE, COLOR BURST, BUNNY, PATTERN, CARDS, RHODE ISLAND, WYOMING, NEW MEXICO, VISIONS, OHIO, INDIANA, TEXAS, ARITHMATH, GRAPHS, COLOUR, HALLOWEEN (SSSD)339

8866 GRAPHIC #3 From Asmion 18 Graphic & Demos program in Basic or Extended Basic. STARS, LOWER CASE LETTERS, MAZE MAKER, PRINTED MAZES, COLOR CRAYON, VERY LARGE LETTERS, SAFETY, COLOR COMBINATION DISPLAY, SNOPPY #2, SIGNS, KALEIDOSCOPE, (SSSD)327

8867 GRAPHIC #4 From Asmion 17 Graphic and Demos programs in Basic or Extended Basic. TICKER TAKER, DIAMONDS, H.C.M. TITLE SCREEN, MEMORY MAZE, CALENDAR, INK BLOT, CHRISTMAST SCREEN, FREQUENCY TEST, RANDOM CHARACTER GENERATOR, SPRITE DEMO, MOTHER GOOSE, 3 SCREEN DEMO, ROBOT JOKES, MIRRORS, STARFIELD, SPEECH GENERATOR, AC/DC, (SSSD)327

8868 GRAPHIC #5 From Asmion 11 Graphic and Demos in Basic or Extended Basic. CABOOSE, KNIK DRAW, KALEIDSCOPE, SPRITE BUILDER, PATTERNS, SCORPIO'S CASTLE, EASEL, TI MARQUEE, GRAPHIC DESIGNER, NIGHT BEFORE CHRISTMAS, COLOR CRAYON II, (SSSD)368

8869 GRAPHIC #6 From Asmion 9 Graphic and Demos in Basic or Extended Basic. SPRITE DEMO, ENTROPHY, DRAW 'N COLOR, GAME DEMO I, CHUG-CHUG, GLOBE, DOODLES, COLOR DRAW, SPACE SHUTTLE DEMO, MAGIC PENCIL, CHARACTER DESIGNER, FLAGS OF EUROPE, HI RES PLOTTER, (SSSD)338

8870 GRAPHIC #7 From Asmion 15 Graphic and Demos in Basic or Extended Basic. NEW YORK FANTASY, QUICK SPRITES, SPRITE WORKSHEET, COUNTRY RACING, EYE GLITTER, RANDOM CHARTEERS, DEFENDER, BOXES, GRAPHICS PROGRAM GENERATOR, ALABAMA, MICKEY MOUSE, COMPUTER DRAW, STAR WARS, ENTREPRISE, HEXY, (SSSD)321

8871 GRAPHIC #8 From Asmion 13 Graphic and Demos in Basic or Extended Basic. SPRITE BUILDER, THE ELECTRONIC WEAVER, THE CANADIAN FLAG, SPACE SHUTTLE, BUILDING BLOCK, SPRITE DEFINITION, COMPUPRO, MATH PLOT, (SSSD)331

8872 GRAPHIC #9 From Asmion 8 Graphic and Demos in Basic or Extended. PAINT BRUSH, ANNIVERSARY, GIRL BOWING, LINES, GRAPHIC CODE GENERATOR, (cataloger editor lines indexer joystick data rulemaker titlemaker) SPRITE VIEWER, CARDS, (SSSD)345

8873 GRAPHIC #10 From Asmion 5 Graphic and Demos in Basic or Extended Basic. MARILYN MONROE, ED'S SPRITE EDITOR, SPACE SHUTTLE, STAR WAR, BOWL, (SSSD)333

8874 GRAPHIC #11 From Asmion one large program about making LINES (SSSD)268

8875 TASS V1.0 Freeware by Gary Bowers 432 Jarvis St. Suite 502 Toronto,Ont. Canada, M4Y-2H3 This is for making a slideshow of your TI-ARTIST or GRAPHX or DRAW-A-BIT II or RLE'S pictures. Fully automatic will display the pictures on up to 4 disks in fast order. Excellent for displaying what picture is on a disk. (SSSD)356

8876 PIC-CAT Freeware by Dave Ratcliffe 2832 Croyden Road Harrisburg, PA 17104. A program designed to allow you to catalog disks with mixed TI-ARTIST files. Sorts by type FONT,INSTANCE & PICTURE. After sorting the files can be printed. (SSSD)55

8877 ARTIST-PIC 14 TI-ARTIST pictures in color. 99ERS, BEATLES, CHART, COMPUTER, EARTH, EYE, EYE2, FORTH, GRID, HUEBERT, MOMWARE, PATTERN, SHIP, RAINBOW. 2(SSSD)703

8878 ARTIST-PIC 10 TI-ARTIST pictures in color. SEA, SKULL, SNAIL, STRAWBERRY, SUN, TARDIS, TI, TREE, TREES, VOLCANO. 2(SSSD)569

8879 CARTOON KIT By Tim O'Neil To be used along with TI-ARTIST. A "cartoon kit" that is useful and fun for adult and child alike. You too can draw cartoon characterss with a litle help from the Instances and Slides on

this disk. PICK a BODY, then add MOUTH, NOSE, EYES, EARS, HAT from the many choices and put them where you want. (SSSD)176

8980 ANIMATOR Freeware by McCann Software P.O. Box 34169 Omaha, NE 68134. Make your own animation by drawing Frames and Mats then show them in slow or fast motion. Very well done. Demo included (SSSD)225

8981 SKETCH MASTER By John Miller. 2458 Transit Ave. Anaheim, CA 92804. This is a Drawing program written in Wycove Forth, run only with WYCOVE FORTH disk. An excellent fast drawing program. (SSSD)298.

8982 GRAPHIC #12 From Steven Shaw 10 Alstone Road Stockport, Cheshire England SK4 5AH. A 2 bit map drawing program from France the resulting picture can be seen with either Max-Rle, TI-Artist, or Graphic, can also be dumped to a printer. This programs draws pictures from mathematical funtions. (SSSD)326

8983 MATH ART #4 E/A 7th program- updated version- program will copy, has over 30 Graphic demo, fractals files, prints, clock, Etc (SSSD)368

8984 SPRITE BUILDER Freeware by John Taylor 2170 Estaline Drive, Florence, AL 35630. There must be a lot of good programming going on in Florence, Alabama—or else my information is wrong . If you are in need of help to construct some fantastic sprites, this is the one for you! DSSD (669)

8985 EASYSPRITE Freeware by Tom Freeman 515 Alma Real Drive, Pacific Palisades, CA 90272. It is an extremely fast Extended Basic program so that you can create sprites and have complete cursor control. It is SIMPLE to insert them into that program you are writing. SSSD (125)

8986 2D/GRAPHICS Freeware by Jean Pierre Morin TI-Forth Ottawa U.G. 25 Amprior, Ontario, Canada K7S 1W7. A very powerful Graphics program with many pre-defined functions and a full implementation of TI-Logo built in. Send a DSSD or 2 SSSD disks for this one. DSSD (718)

8987 FORTH DRAW Freeware by Barry Cosser 2 Cleveland Cres. Dartmouth, Nova Scotia Canada B3A 2L6. Can use J/B E/A M/M. Use Joystick to draw in Wycove Forth. Can save to disk .SSSD (154).

8988 FAST SCREEN By Bill Harms- Draw or Create your own design on the screen by useing the keyboard direction keys. Design can be printed. (SSSD)247

8989 SUPER SHAPE Freeware by Stock Software 2211 4th Ave. N Grand Forks, ND 58201 - Edit shapes (charackters), printing of shapes and hexcodes to printer or disk. SSSD (29)

8990 WOODSTOCK Freeware by Ray Kazmer 13225 Azores Ave. Sylmar, CA 91342 A very cute DEMO the graphics and action will amaze you. All about Snoopy leaving a Christmas present for Woodstock. Great for all ages. SSSD(75).

8991 ART From users Group : Great graphic programs using E/A #5. Displaying great pictures. Anteater, Bear, Cow, Elephant, Frog, Giraffe, Horse, Weasel, Xerus. SSSD(237)

LA99 GAMES

9001 GAMES #1 FROM RAY KAZMER SFV USER GROUP,- BALLOON VOYAGE 2, BLACK BOX, COSMIC GUNS, CROSS REFERENCE, DODGE' EM, DUCK, HELICOPTERS ATTACK, HOPPY, INSANITY, KILLER CRABS (SSSD)326

9002 GAMES #2 FROM RAY KAZMER SFV USER GROUP,- LOST RUINS, MELT DOWN, PUPPYTOWN 2, SCREEN MAP, TREASURE ISLAND, TACOMAN 2, THE FLY, TITAN 2, YAHTZEE (SSSD)304

9003 GAMES #3 FROM RAY KAZMER FROM SFV USER GROUP,- BOTH 2601 AND 2603 ON A DS/SD DISK, SEE ABOVE (DSSD) or 2(SSSD)613

9004 GAMES #4 FROM ENGLAND,- BATTLESHIPS, BEETLE WALK, BLACK BOX, CRAZY CLIFF, GREEDY GREEN GRABBEERS, Q*BONO, QUASIMODO, SUPER JACKPOT, TROGMAN, ZARQUON (SSSD)357

9005 GAMES #5 FROM ENGLAND,- BEETLE, BOWLS, FORCE ROUTE, KAMIKAZE, PUMPEII, RAGING RIVER, SPRING HEEDED JACK (SSSD)319

9006 GAMES #6 FROM ENGLAND,- PATSCRAM MISSION, QUASIMODO, R32/2, ROBIN 16K, ROBIN 32K (SSSD)288

9007 GAMES #7 BRAINS GAMES,- 1997, 3D TIC TAC TOE, ADD MAGIC, ARITH, AWARI, BAGELS, CHARD, DIGITION, FOUR IN A ROLL, GOINS HOME, GOMOKU, IQ MATH, MATH PEZZLE, ONE CHECK, ONE TO FIVE, OTHELLO, SPINX, Z-END (SSSD)265

9008 GAMES #8 KIDS GAMES,- BUILDING BLOCKS, JANG, KWIK DRAW, MARKMAN, MATCH THEM, MAZE, MISS MUFFET, MOUSE MAZE, OH! NO, PI-RING, RIBBIT, SCHOOL DAZE, SHAPE ART, SPIDER AND FLY, TURTLE HOP (SSSD)349

9009 GAMES #9 BRAIN TEASER GAMES,- 15 PUZZLE, CODE BREAKER, CROSSWORD, HANOI TOWER, HEXAPAWN, INDIANS, LAST ROBOT, MAGIC SQUARE, MOUSE MAZE, PUZZLE, QUEEN, ROTATE, SHOOT STARS, SUFLES (SSSD)359

9010 GAMES #10 FROM AMNION,- BIBLE I, BIBLE II, BLACK JACK, CARS AND CARCASSES, CIVIL WAR, CRAPS, GUESS PHRASE, HANGMAN, LUNAR LANDER, MASTER, SECRET NUMBER, MONSTER, OBSTACLE COURSE, PONY. (SSSD)368 .

9011 GAMES #11 FROM AMNION,- PRESIDENT, SAILING, SCHOOL, SIMON 1, SLOTS, SLOT MACHINE, TABOT CARDS, TIC-TAC-TOE, MATCHUP, MUGWAPUS, REBOND, TI-WARS, CAPTURE. (SSSD)354

9012 GAMES #12 FROM AMNION,- DESERT, CRAZY LINES, MATCHES 23, ROAD RACE, WALL STREET, HAMURABI, INDIAN, LANDING, SHOOTOUT, TOURING, SEYMOUR THE MONSTER, CANNON, STAR FIGHT, STARS. (SSSD)349

9013 GAMES #13 FROM AMNION,- LIFE, CODE BREAKER, CAMEL, ENGLISH TENNIS, U.F.O., CARWARS, WAMPUS #2, WORDSEARCH, AIR & SEA BATTLE, ANIMAL.(SSSD)355

9014 GAMES #14 FROM AMNION,- CHECKERS, DUCKSHOOT, FRENCH TENNIS, GOLF, HEXPAWN, QUEEN, SQUARES, DOCKING, ARTILLERY, DRAGON MAZE, GOMOKO, OTHELLO, ROBOT. (SSSD)356

9015 GAMES #15 FROM AMNION,- SINKING SHIP, GUNNERS, LANDER, LOGIC, ONE ARM, RANDOM, SWITCHES, VERBOTOM, LAPIDS, MONSTER COMBAT, ROBOT CHASE, TANK ATTACK, THE CHASE, FOOTBALL. (SSSD)316

9016 GAMES #16 FROM AMNION,- ISLAND, J C L SQUARE, KING, LEXICALITY, PUZZLE, THE A BALL, DEPTH CHARGE, GOING HOME, NUMBER AWAY, AWARI, ONE CHECK, AIR COMBAT. (SSSD)343

9017 GAMES #17 FROM AMNION,- BATTLE FOR IAPETUS, SCORCHER, ALIEN, DEEP SPACE, SPLAT, WHITE HOLES, LINE UP, HUNT THE SHARK, DEATH TANKS, BONKERS, HELICOPTER RESCUE, SPACE SHOOT, MOTOR CROSS, HANGMAN SPELLING. (SSSD)356

9018 GAMES #18 FROM AMNION,- CHECKERS #2, DICE, HOME RUN, ECHO CHAMBER, KENO, CASER WAR, THE LUCAS PROBLEM, MATCH GAME, BATTLESHIP, STELLAR, STAR GUARD, STOCK MARKET, BOXING. (SSSD)327

9019 GAMES #19 FROM AMNION.- IN BETWEEN, TIME BOMB, DOMINOES, ORBIT, MINEFIELD, MINER, SCRAMBLE, KNIGHT, PHYSCHOLOGY, CONNECT FOUR, SOLITARIRE, DOEEM, SPACE SCOUT, SUPERMAN, MOTORCYCLE JUMP. (SSSD)352

9020 GAMES #20 FROM AMNION,- BATTLERS, NUMAD, YAHTZEE ZB, MOUSE IN A TRAP, ALPINE SKIING, CONNECT THE DOTS, ACEY DUCEY, BLACK BOX. (SSSD)324

9021 GAMES #21 FROM AMNION,- 3D TIC TAC TOE, BOMB SCARE, DRACULA, KNIGHTS TOUR, MARS LANDING, SWORDS & SORCERY, DEVILS DUNGEON, BLOCK'EM, NAVIGATE, MONSTER CHASE, MAN EATING RABBIT, TAIL, TAILXB, EXTENDED BLACKJACK, ROCKET LAUNCH, SPANISH BATTERSHIPS, ROULETT II, SKI SLOPE. (SSSD)355

9022 GAMES #22 FROM AMNION,- FLYING SPRITES, KISMET, MUNCH, ROBOTWARS, CLOSE ENCOUNTERS, FIRE, BAD FACE, NOT ONE, POKER, CRAZY CLOWN, COOTIE, OTHELLO II, PIN THE TAIL, SMILY, SPACE GEM, CODE BREAKER. (SSSD)343

9023 GAMES #23 FROM AMNION,- ISOLATION, SCORE 4, IMPERIAL LANDING, SPRITES 2, TREK, CHICKEN HELPER, RESCUE CHALLENGE, ALIEN, PART TIME, CONCENTRATION, EGG WARS, TRENCH, WARFISH, ANT WARS, TI DOGFIGHT, CHICKEN #2, DRAGON HUNT. (SSSD)348

9024 GAMES #24 FROM AMNION,- ALIEN 3, AUTOBAHN, APOLLO, STARDODGER, S/A MISSILE, EXTENDED GOLF, BACCARAT, HOT DOG, SPACE VENTURE, TANK SHOT, ZAN QUEST, DOG RACE, SLITHER, AIR TRAFFIC CONTROLLER, ASTEROID, WAGON WHEEL, WALK IN THE WOODS. (SSSD)349

9025 GAMES #25 FROM AMNION,- SPACE COMMAND, CUBE, LARGO DOWNS, TANK RACE, CROSS WORD, DIMENSION DOORS, CAT AND MOUSE, POTSHOT, SPACE DUEL, SPACEWAR, ASTEROID BELT, TRAKS, PARTY GAMES, CLONES, INVASION, INDY 500, SPACE GUARD, ALIEN DESTROYER, SPACE ATTACK. (SSSD)345

9026 GAMES #26 FROM AMNION,- B1 BOMBER, CHECKERS, CROSS WORDS, FAST BLAST, GRAVITY, ISLAND JUMPER, LUNAR LANDER, NAVIGATE, SPACE CHASE, TI WARS. (SSSD)313

9027 GAMES #27 FROM AMNION,- BANDIT, BLOCKADE, BUGS SPRAY, DESTROYER, DICE, DOOMSTONE, AVOID THT GHOST, GOBBLER, NEW HANGMAN, ON PATROL, AT THE RACES, RUBIK'S CUBE SIMULATION, UFO RACE, VAMPIRES. (SSSD)348

9028 GAMES #28 FROM AMNION,- THE AIRPLANE GAME, ASSASIN, AT THE RACES, CAPTAIN CRUNCH, MAD CHEMIST, DRAW POKER, KNOCKOUT, MOON BASE FALLOUT, BALANCING THE SCALES, SHOOT THE STARS, TIC TAC DOUGH, TIC TAC TOE, VICTORY AT SEA, WITCH MOUNTAIN RALLY. (SSSD)349

9029 GAMES #29 FROM AMNION,- ADVENTURE, BACKGAMMON, BASE ALERT, BATTLEGROUND, BOMB AWAY, CATCHING THE COMPUTER, DARTS, SLAY THE DRAGON, FOOTBALL, INSANITY, INVASION WAVE, LANDER, MADLIB, MONEY TREE, RESCUE CRAFT, SCHOOL DAZE, SPACE HUNT,TANK COMMAND, BACKGAMMON. (SSD)348

9030 GAMES #30 FROM AMNION,- "M", CHASE, GAMEPACK, GRAPHICS ADVENTURE, MATCH A PAIR, MINEFIELD #3, PENTE, SPACE PICK UP, MAZE CRAZE STRANDED, SUB HUNT, TIME BOMB, THE HUNGRY TURTLE. (SSSD)355

9031 GAMES #31 FROM AMNION,- SPACE BERSERKER, BIBLE BUZZ, CARWASH, CRAPS, GAME OF DICE, FALLING, BLACK FOREST, PEOPLE PLACES PHASES, HEAVY METAL, LASER ASSAULT, MAGIC NUMBER, PI RING SQUAD, SCRABBLE, SPACE ORDEAL, TARGET PRACTICE, THRUWAY, BURIED TREASURE. (SSSD)355

9032 GAMES #32 FROM AMNION,- ALIEN RAIN, SMOKEY'S BANDIT, BOMB ADVENTURE, DRAW A LINE, DUCK, HACKSAW CANYON, HIGHER LOWER, I HOBBIT, INVASION FLEET, MIX'EM AND MATCH'EM, SPACE PATROL, P.O.W. RESCUE, SERPENT AND SNAKES, SPIROS, STOCK MARKET, TAIL, U/BOAT CHASE. (SSSD)356

9033 GAMES #33 FROM AMNION,- THE MYSTERY WORD, ALIEN DUEL, COLOR CODE, CONNECT BY FOURS, CUPID'S ARROW, DEALER'S CHOICE, DROID, HANDROID, METEOR SHOWER, SUPRA, TREK, WARPOUT. (SSSD)356

9034 GAMES #34 FROM AMNION,- BLACKFISH, BRIDGE GUARD, FREEWAY ESCAPADE, FROGMAN, KRAZY KOALA, LUNAR LANDING SIMULATOR, MINE TRAP, PARAMEDIC, PLUNDER, SHOOTING GALLERY, GRAND SLALOM, PICK UP STICKS, STORYTELLER, SUBHUNTER, TI-BOOM, TREKKIE. (SSSD)318

9035 GAMES #35 FROM AMNION,- THE APPLE TREE, BIRDSTORM, D&D CHARACTER CREATION, JACKASS DERBY,• THE SMASHER, THE TOWER OF HANOI, KABOOM, KIDNAPPED, MICROJAWS, PINOCHLE PARTNER, SUB SEARCH, TIMEBOMB, TRUCKER, UP SCOPE. (SSSD)359

9036 GAMES #36 FROM AMNION,- APOLLO LANDER, ASTRO BATTLE, BOXING MATCH, THE CONFLICT, CONNECT FOUR, DEFENCE, LEAP FROGGER, HALLWAYS, LUCK YOU, POTSHOT, THE PROSPECTOR, PYRAMID, SKI WEEKEND, SPACE DUST, STARSHIP, SWEETSPOT, TASK FORCE, TROG. (SSSD)351

9037 GAMES #37 FROM AMNION,- ALIEN BUSTER, ART AUCTION, NEW BLACKJACK, CAVE ADVENTURE, FRAMER JOHN, SPACE FLIGHT SIMULATOR, JOUSTING, METEOR RAIN, STARGATE MISSION, WORD A GRAM, WORD DICE, WORLD WAR I. (SSSD)326

9038 GAMES #38 FROM AMNION,- ASSIGNMENT 46, BACKGAMMON XB, JUMPING BEAN, CORRAL, DEATHBALL, DUNK, LOST DUTCHMAN'S GOLD, JAWS, MONEYMAN, SPACE MONSTERS, THE MAZE OF VERSAILLESS, SPACE SCOUT. (SSSD)360

9039 GAMES #39 FROM AMNION,- AIM, TOWER OF BABEL, MONSTER CHASE, CHOMP, COOTIE XB, FIRE ALERT, FIRELIGHT, THE HUNTER, PALEOLITHIC HUNTER, MADLIB II, MAHAREI, BASIC POKER, THE DRUNKEN SAILER, SPACE SCOUT,NIMBLE STICKS. (SSSD)345

9040 GAMES #40 FROM AMNION,- CHUCK A LUCK, CALIFORNIA FREEWAY, NORTH SEA ACTION, REGATTA, TURTLE RACES. CRYPTOQUOTE, LEFT RIGHT, HOCKEY, MEMORY JOGGER, HORSERACE, BASKETBALL, KAKTUS KILL, INDY 99, RACING, ALLEY CRAPS, TORTOISE & HARE. (SSSD)360

9041 GAMES #41 FROM AMNION,- SCREAMING SERPENT, BLIND MAZE, ROADRAT, SPACE SCOUT, U.F.O., THE CATACOMBS, CATACOMB PLOTTER, BLOCK SWAP, SHUFFLES SQUARES, HANOI TOWER, WORDFINDER, FROGSPLAT, GALAXY. (SSSD)

9042 GAMES #42 FROM AMNION,- BINGO, SIDEWAY SLOPE, CHARADES, SOLITARIE, SUPER AWARI, SCUBA, GOLD DIGGER, WHEEL OF FORTUNE, CHARS D'ASSAUT, LANDER III, SHAFU, BOGGLER, ALIEN & CITIES, HANGMAN WORD GAME, L GAME. (SSSD)357

9043 GAMES #43 FROM AMNION,- PEDJUMP, TUNNEL VISION, SCAVENGER HUNT, MUNCH MITE, CONCENTRATION II, MR. KRIAKER, MAGIC SQUARES, RESCUE MISSION, TEXAS,TRUCKER, IN THE RUNNING, ELECTION, L GAME XB, EAGLE I, BLACKBOX XB. (SSSD)346

9044 GAMES #44 FROM AMNION,- BATAILLE NAVALE, PRATIQUE DE GOLF, HANGMAN, TWO PLAYER STUD POKER, TI FROGGER, JEW DE SCRABBLE, DICE GAME, THE MONSTER MASH, SPACE SCOUT. (SSSD)358

9045 GAMES #45 FROM AMNION,- BAT CAVE, RUNES & GLYPHS , HELICOPER ATTACK, SNAKES & LADDERS XB, SNAKES & LADDERS, TOWER OF DOOM, COLOR LOGIC, MAZE, PING PONG, AIRDROP, ALCATRAZ, OH NO!. (SSSD)358

9046 GAMES #46 FROM AMNION,- AMGAM, THIS IS SPRINGER, A DAY AT THE RACES, SEA BATTLE, DRAW POKER, SPACE MAZE, MR.LEAPER. (SSSD)339

9947 GAMES #47 KING OF THE CASTLE by Cydex Software - Fast arcade quality action. 16 levels, 2 fields, written in assembly language, use X/B, You defend castle (SSSD)166

9948 GAMES #48 MONOPOLY - Play Monopoly one or two players Computer is the banker. (SSSD)195

9949 GAMES #49 18 games for the family, AIRDEFENCE, BUTTERFLY, CRAZYCLIMB, DEVASTATOR, FIDDLESONG, HAPPY DAYS, IN 80 DAYS, LABYRINTH, MARS LANDING, MARTIANS, MYSTERY SPELL, ORBIT DEFENDER, DUAL, ROBOT CHASE, SPEECH, SPEECH AID, TALKING CALACTOR, TI-TOWERS (SSSD)349

9950 GAMES #50 13 games - AHAMAR, AIR RESCURE, AIR DEFENCE, AIR TRAFFIC, ALIEN DESTOYER, ARROW ZAP, ARTILLERY, ATTACKER, BAT ATTACK, BONKERS, BOWLING, DRACULA, EGG WARS (SSSD)351

9951 GAMES #51 13 more games - BATTLESTAR, BLACKJACK 2, BOMB SQUAD, FUN HOUSE, GALACTIC, PLANE, PLANES, ROMEO & JULIT, SKY RESCUE, SLOT MACHINE, TRIGMAN, VERSAILES, ZANQUEST (SSSD)366

9952 GAMES #52 11 games - BACKGAMMON, BACKGAMMON 2, BASEMENT, BLACK JACK, GOMOKU, IMHOTEP, LEFT OR RIGHT, MARKER TRACKS, MAZZO, WAR, (SSSD)356

9953 GAMES #53 10 games for the youth - MOTORX/J, MOTORX/K, POKER/RJ, RALLYX/J, RALLYX/K, ROMAN WAR, RUBIC CUBE, RUBIC, RUBIC MAGIC, WHITE HOLES (SSSD)164

9954 GAMES #54 "MOONBASE" A very fast action shooting game written in Assembly. Great Color and graphic, Joy Stick, Use Editor Assembly Module #3 Load and Run MOONBASE enter and then PROC'D. (SSSD)229

9955 GAMES #55 "MAJOR-TOM" Fabulous game for all. Written in Assembly use #3 MAJOR-TOM enter,PROC'D. Color and Graphic use Joy/stick or key board, Move Astronant thru maze. (SSSD)163

9956 GAMES #56 "JEUX" 7 new games from France. Better know your French to play some of these games. Good action , color and graphic. AIRPORT, BILLIARDS, BULDOZER, ENVAHISS, FERNANDO, JUMPER, RANDONNEE. (SSSD)297

9957 GAMES #57 12 Games in Basic and X/B : 32KCHECKERS, DUNGEON, ENCOUNTERS, ESCAPE, GOLDRUSH, GOLF#2, HOUSE, LUNER LANDING#2, MINEFIELD, SILENT, SILENTNIGHT, SUBMARINE, TERMITE. (SSSD)353

9958 BINGO Freeware by Roger Merritt 1949 Evergreen Ave. Fullerton, CA 92635 - an excellent game with good graphic and color. Program will display and announce (Speech Synthesizer) as the numbers are chosen. Computer will keep track of numbers picked. Program will print large or small BINGO CARDS. (SSSD)

9959 DRAGON-ST A FREEWARE disk Benson and Uaan P.O.Box 383 Eden, NC 27289- Joystick, color, graphic, Save the girl by jumping over the Dragon for young people. (SSSD)53

9960 LAWNMOVER A FREEWARE disk by Gary Cox P.O.Box 383 Eden, NC 27289- - Joystick OR Keyboard, X/B Move the lawn look out for rocks in the grass, for the young. (SSSD)47

9961 TI MONOLOPY A FREEWARE disk by Ross Mudie P.O.Box 149 Pennant Hills 2120 N.S.W. Australia- An excellent program for playing Monolopy, computer is the banker, several players, (SSSD)349

9962 TI CRAPS A FREEWARE disk by Razon Martinez 1531 E.Chapaan Ave. Suite 338 Fullerton, CA 92631- Play Las Vegas type craps, computer keep track. Excellent graphic, (SSSD)304

9963 SEARCH OF XYLOSE Freeware by Dave Dalton. 929 Hillview Dr. Marion, IA 52302-Two opponent will challenge each other in four events, Archery, space shuttle battle, may the best opponent win catch or run. SSSD (176)

9964 CHINACHESS A Freeware disk by Milo Tsukroff - Updated version- X/B - 2 player game, 6 programs for playing china chess, moves like western chess. A board type game can be extremely involved. Info on disk. (SSSD)333

9965 MS-ADVENTURE A Freeware disk by John Taylor 2179 Estaline Dr. Florance, AL 35630- An excellent Adventure type game (SSSD)354

9966 MONTEROULT Freeware By Bob Guellnity Colonial Software 15 WYDA Court Colonia, NJ 07067- X/B, 32K - Play Roulette as in Monte Carlo better know Fremch or know the game, Great graphic and color. (SSSD)237

9967 KAZCO-WARE A FREEWARE disk by Ray Kazmer P.O.Box 44023 Sylmar, CA 91342-Basic or X/B 5 games CANNONBALL EXPRESS, FOREST FIRE, SHOOSH BOOMERS, SPRING HEELED JACK, TEXAS RANGER PLUS SPRITE IN BASIC, A MUSIC DEMO AND TINY TIPS. (SSSD)368.

9968 POLITICANS RUN Freeware by Marsoft Inc.P.O.Box 83 E. Glastonbury, CT 06026- X/B Simulates a Presidential Election Campaign. 2 player campaign for votes in various states. There are 4 variations of the game. (SSSD)273

9969 THE BIG TEXAS SPY ADVENTURE A Freware by Sydney Micheal 77 Drumsford Road Colgrain Helensburgh, Dumaartonshire, Scotland, UK G847TX- :This Adventure game has 158 locations! Can you find the subearine - and the Tigermoth airplane. Requires X/B,32K, (SSSD)195

9970 SEGREGATION Freeware by Chris Lang 1996 Jackson Rd. Baltimore, MD 21222 : Fascinating game of putting back a mixed up crazy quited design pattern into it orginal condition. Great color and graphic, good for all ages. (SSSD)238

9971 GAMES OF WIT Freeware by Chris Lang 1996 Jackson Rd. Baltimore, MD 21222 : 5 Excellent educational games of wit. WIT, WITWIT, WIT-OUT, WITTLE TAGS, WIT'S END These games are like crossword puzzle, scrabble, teaches spelling and word forming. For all ages. 3 disks A,B,C play = 1(SSSD)299 instruction = 2(SSSD)518

9972 MONTE CARLO Freeware by Bob Guellnity 15 Wyda Court Colonia, NJ 07067 : Play Roulette as in a Monte Carlo Casino. Has great color, graphic and play. Instruction are in english betting in French (SSSD)247

9973 CHAINLINK Freeware by Walter Howe 43 So. Chelmsford Road, Westford, MA 01886. This is an excellent solitare game using entire deck of 52 cards. A unique (to me) version of solitare that actually requires a little cogitation to beat it...you have to look at several moves in the future, like chess. (SSSD)

9974 ASSULT THE CITY AND QUEST FOR THE KING AND PARTY -A FREEWARE disk by John Benmke 5755 W.Grace Chiago, IL 60634 -Need "tunnel of doom" module. Adventure type games.(SSSD)166

9975 SCRABBLE From Brea Users Group. An excellent computer game of TI-SCRABBLE. Runs In E/A read instruction on how to load and play. SSSD)353.

9976 THE QUEST (X/B) Freeware by Jim Beck 10947 36 Ave. Edmonton, Alberta Canada T6J 0B9 : A fantasy Adventure type game. Find the right equipment to fight and beat the Dark Lord. (SSSD)235

INDEX

A
ADDRESS FILE 2442
ALIGN 2834
ARCHIVER 2648
ARCHIVER #2 2628
ARTIFICAIAL INTELL 6013
ASSEMBLER MICRO 2824
B
BA/WRITER 2417
BEAKS 2822
BEST OF SRP 6023
BIBLE KING GAMES 6040
BIBLE NEW TESTAMENT 6009
BIBLE TRIVIA 6041
BILL PAYING 3017
BONDS EE 3013
BUDGET MANGER 3012
BUGGER 2814
BUGGER DE 2891
BUSINESS #1-10 3091
C
C BITS A 2213
C99 COMPLIER 2220
CALENDAR #1 6010
CALENDAR #2 6039
CATALOG DISK/FILE 2619
CATALOG DISKS 2634
CATALOG FILES 2636
CATALOG FILM 6022
CATALOG GRAM 2625
CATALOG LIBRARY 2624
CATALOG PRINT 2435
CATALOG-DISK 2699
CATALOG-MASTER 2615
CHARACTERS PRINTIT 2427
CHARACTERS TIW 2448
CHECK BOOK 6017
CHECKBOOK 3012
COLIST 2449
COLOR COORDINATOR 6031
COMBINE 2622
COMPACTOR 2816
COPY 2 2642
COPY DISK 2617
COPY SUPER 2638
COPY TRACKER 2633
COPY-BACKUP 2627
COPY-MASS 2693
COPY-REDISKIT 2626
COPY-X/B 2601
COUNT 2812
D
DEM WAVORONE 2811
DIAL A WORD 6014
DIRECTOR 2697
DIRECTOR 99 2614
DISASSEMBLER I 2815
DISASSEMBLER II 2829
DISASSEMBLER X/B 2823
DISCO 2807
DISK + AID (OBJECT) 2858
DISK + AID (SOURCE) 2899
DISK HACKER 2832
DISK HELPER 2818
DISK MANAGER 99 2611
DISK MEMORY 2819
DISK-SUPERCART 2613
DISPLAY AT 2413
DM1000 2604
DM1000 SOURCE 2605
DSKU 2837
E
E/A 2822
ED HANGMAN 50.7
ED.AIDS 5099
ED.CELLS 5096
ED.FIREBALL 5098
ED.FRANKIE STIEN 5097
ED.HEART ATTACK 5094
ED.TEACHER 5091
ED.TEACHER HELPER 5092
ED.TURN OFF WATER 5093
ED.VYGER 5095
EDUCATION #1-#36 5010
ENVELOPE 6027
ENVELOPE / CATALOG 2433
ENVELOPE ADDRESS 2434
F
FILE MASTER 6044
FILE PRINT 2436
FILE READER 2441
FILING SYSTEM 6047
FILM CAT 6022
FILM VCR 6021
FLIP FLAP 2446
FORTH BACKUP 2222
FORTH CONFIGURATION 2223
FORTH DEMO 2201
FORTH DRAW 8087
FORTH FAST 2218
FORTH FORMATTING 2215
FORTH FORUN 2207
FORTH IMPROVED 2290
FORTH MANUAL 2212
FORTH MYCOVE 2835
FORTH PACKAGE 2209
FORTH SCREEN DUMP 2407
FORTH SOURCE A 2204
FORTH SQUARE B 2205
FORTH TE 2220
FORTH TI 2202
FORTH TUTOR 2210
FORTH TUTORIAL 2206
FORTH UTILITY 2211
FORTH XB 2203
FUNLWRITER 2645
FUNPLUS 2439
G
GAME ASSULT CITY 9058
GAME CHAINLINK 9073
GAME CHINACHESS 9064
GAME CROPS 9062
GAME DRAGON ST 9059
GAME KAZOO-WARE 9067
GAME LAWNMOVER 9060
GAME MONOLOPY 9061
GAME MONTE CARLO 9072
GAME MONTEROLLT 9066
GAME MS-ADVENTURE 9065
GAME OF WIT 9071
GAME POLITICANS 9068
GAME QUEST 9074
GAME QUEST 9076
GAME SCRABBLE 9075
GAME SEGREGATION 9070
GAME TEXAS 9069
GAME XYLOSE 9063
GAMES #1-58 9001
GAMMA 6025
GENEALOGY TIW 6048
GENEOLOGY 6035
GRAPH PAPER 6019
GRAPHIC #1-12 8052
GRAPHIC 2D 8006
GRAPHIC ANIMATOR 8020
GRAPHIC ART 8091
GRAPHIC ARTIST 8076
GRAPHIC BANNER 8058
GRAPHIC BANNER XMAS 8051
GRAPHIC CARTOON 8079
GRAPHIC EASYSPRITE 8065
GRAPHIC FAST 8068
GRAPHIC FORTH DRAW 8087
GRAPHIC FRACTAL 8055
GRAPHIC INSTANCES 8064
GRAPHIC JBM193 8054
GRAPHIC LOGO 8038
GRAPHIC MATH 8083
GRAPHIC PIC-CAT. 8076
GRAPHIC PRINT ART 8046
GRAPHIC RLES #1-37 8009
GRAPHIC SHAPE 8089
GRAPHIC SKETCH 8081
GRAPHIC SPRITE 8084
GRAPHIC TASS 8075
GRAPHIC WOODSTOCK 8089
H
H.C.M. PACKAGE 4501
HBM PRINT 2414
HOME #1-12 6001
HOME ENTERTAIN 6032
HOME PLAN 6038
HORIZON RAMDISK 2639
HYPHENATOR 2422
I
INVOICE BUSINESS 3016
INVOICE HOME 6029
K
KEYS TIBOARD 2827
L
LABEL LIST 6037
LABEL-MAIL 2420
LABELER-GRAPHIC 2429
LABELS-DISK 2428
LABELS-SM 2418
LINKER 2831
LIST-MCAT 2813
LOAD 4U 2641
LOAD AL 2646
LOAD QUICK 2644
LOAD TEXT 2647
LOADER-MENU 2618
LOTTO 6036
M
MAIL CALL 2438
MAIL-LIST 2440
MAIL-RMJ LIST 2445
MANAGER DISK FRENCH 2643
MANAGER-DISK 2616
MANAGER-DISK 99 2611
MASS TRANSFER 2612
MEETINGS 6033
MEMORY MANIPULATOR 2810
MENU 2826
MENU MAKER 2836
MENU MEGA 2838
MILES/GAL 6024
MISCELLANEOUS #1-26 4512
MITI-WARE 6032
MULTIPLAN 6045
MULTIPLAN CALC 6046
MULTIPLAN PRINT #1 2423
MULTIPLAN PRINT #2 2431
MUSIC #1-40 7001
MUSIC CHRISTMAS I 7050
MUSIC CHRISTMAS II 7051
MUSIC MAN 7044
MUSIC MILITARY 7047
MUSIC PATSY CLAINE 7043
MUSIC PREPROCESSOR 7046
MUSIC SO.PACIFIC 7042
MUSIC STAR TREK 7041
MUSIC WAGNER 7048
MUSIC WIZARD OF OZ 7045
N
NORTHSIDE 99 2443
NOTEPAD/CALCULATOR 2444
O
OMEGA 2649
P
PAGER SCREEN 2836
PASCAL M 2216
PILOT 99 2219
PILOT MANUAL 2217
PILOT MINI 2214
PITS 2469
PLIP-FLAP 2635
PLOTTER DEMO 2432
PR BASE 2608
PRINT ENCHANCED 2829
PRINT FAST 2403
PRINT FAST 2403
PRINT GEMINI 2439
PRINT GEMS 2424
PRINT IT 2426
PRINT IT-CHARACTER 2427
PRINT-CATALOG 2433
PRINT-FILE 2436
PRINT-PLIP/FLAP 2635
PRINTER CODES 2447
PRINTER-TOUCH 2425
PRINTOUT 2412
PRK INVENTORY 6042
PRK MODULE 6043
RECORD PLUS 3015
S
SAGERSOFT 2424
SCREEN DUMP FORTH 2497
SCREEN DUMP MERGE 2419
SCREEN DUMP PAGE 2446
SCROOL-RAPID 2437
SHARE WARE 2439
SIDE-PRINT 2416
SIDEWAYS DOUBLE 2468
SORT 2819
STAR PROGRAMING 2825
SUPERCART DISK 2613
T
TAX 1984 6028
TAX 1985 6026
TAX 1986 6028
TE FORTH 2220
TECHIE 2621
TERM DIAL 2629
TERM FAST 2696
TERM MASS TRANSFER 2612
TERM MODEM-X 2682
TERM MXT BBS 2631
TERM MY 2623
TERM OMEGA 2640
TERM P 99 2632
TERM PRBASE 2649
TERM PRO 99BBS 2630
TERM TE2 2619
TERM TEXC DIALER 2628
TERM TECHIE 2621
TERM UM99/4DB 4538
TEST SAMS 2694
TEST SPECIFICATION 2695
TEST SYSTEM 2693
TEXT TO SPEECH 2892
TI-WRITER (PIO) 2401
TI-WRITER (SERIAL) 2402
TIW - DM1000 2405
TK/WRITER 2411
TOURIST 6034
U
UCOMPACTOR-UN 2817
UM99/4DB 4538
UTILITY A/E 2821
W
WEATHER 6018
WORKS 2637
WRITER TI (PIO) 2401
WRITER TI (SERIAL) 2402
WRITER TI HINTS 2419
WRITER TK 2411
WRITER TRANSLITER 2421
WRITER-BA 2417
X
X/B HELPER 2828
X/B TOOLS 2833
Z
ZODIAC 6030

MARKETPLACE

(the marketplace is a fund raiser for the club, that is, the "profit" goes to maintain the quality of this News- letter. In general the price listed splits the difference between cost and retail. Please help your Club.)

SPECIAL - SUPER EXTENDED BASIC by Triton - code by MG & friends 50.00
plus P&H 2.50

MILLERS GRAPHICS			
DISkASSEMBLER	18.50	ORPHAN CHRONICLES (PRICELESS)	9.95
ADVANCED DIAGNOSTICS	18.50	NIGHT MISSION	18.50
GK UTILITY I	10.00	SMART PROGRAMMING FOR SPRITES	6.25
GENIAL COMPUTERWARE			
XBasher (MIKE DODD)	9.00	XB:Bug (J.PETER HODDIE)	12.00
GRAM PACKER (JPH) "	9.00	REMIND ME! (JOHN JOHNSON)	12.00
PC TRANSFER (MD)	20.00	FONT PACK I (JPH)	9.00
GRAPHICS EXPANDER(JPH)	9.00		
RYTE-DATA			
GPL SETS (INCLUDING ASSEMBLER AND LINKER, 4 DISKS	50.00	COMMAND DOS (MONTY SCHMIDT)	20.00
		TECHNICAL DRIVE(BOOK BY ")	15.00
BASIC COMPILER	15.00	SUPER CLOCK SUPPORT	13.50
BYTEMASTER (R. MITCHELL)			
MG EXPLORER (UNPROTECTED)	20.00	STRINGMASTER	16.00
KRACKER FACTS (MIKE DODD, ED.)	5.00	UTILITIES DISK/DOCS (T FREEMAN)	8.00
ORPHAN SURVIVAL HNDBK(ALBRIGHT)	15.00	JOYPAINT	30.00
JOYPAINT PAL	7.50	PRE-SCAN IT! (J.PETER HODDIE)	10.00
FONT WRITER II (JPH)	19.00	PRINTER'S APPRENTICE (M.McCANN)	19.00
TPA FONTS DISKS 1 OR 2	9.50	TPA TOOLBOX	19.00
TPA AND FONTS DISK 1(SET)	26.50		

MYARC PRODUCTS, INCLUDING GENEVE - check for discount prices

INSCEBOT			
TI-ARTIST	15.00	DISPLAY MASTER	12.00
ARTIST EXTRAS	6.00		
MEGATRONICS			
EXTENDED BASIC II PLUS	72.50	INTERN (BOOK ON GPL)	16.50
128K GRAM CARD	227.50		
HARDWARE & SUPPLIES			
TEAC 55BV DSDD DRIVES	90.00	DISKETTES DSDD	.50
TECHNICAL AND BUSINESS BOOKS	5.00		
REPRINTS			
HANDY REFERENCE GUIDE	2.50	LOGO DIGEST	2.50
BEST OF NEWSLETTERS W/DISK	5.00	FORTH NOTES VOL 1-6 (2.50 EA)	10.00
BEGINNER'S FORTH NOTEBOOK	2.50	ASSEMBLY NOTES VOL 1	2.50
BACK ISSUES			
SMART PROGRAMMER MISC. SET OF 8	4.00	MICROPENDIUM	1.25

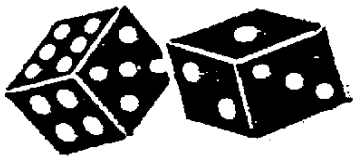
(please send your order to the CLUB address, not the Librarian, and add $1.00 per disk for P & H ($2.50 for Super XB). CA residents add 6.5% tax).

The Southern Nevada User's Group Proudly presents.....

TI XPO 88

TI LAS VEGAS FEST WEST

For the TI 99/4A and compatibles.



FreeWare!

Door Prizes!

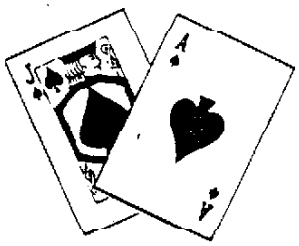
User's Groups!

Guest Speakers!

Programming Clinics!

Program Demonstrations!

HardWare and SoftWare Vendors!



Reduced Room Rates

Feb. 27 & 28, 1988
at the PALACE STATION!

Discount AirFares

PALACE STATION HOTEL-CASINO

PSA

Room Reservations 1-800-544-2411

S.N.U.G.
PO Box 26301
Las Vegas,NV 89126
702-647-1062 or 702-878-3167

PSA Reservations 1-800-435-9772
TI-XPO-88 PSA Smile NO. M1586S

24 hour online information 300/1200 baud 1-702-648-1247